

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennnc@alaska.net>
Subject: [14634] 1997 Alaska QSO Party
Message-ID: <3328ADC3.7383@alaska.net>

1997 ALASKA QSO PARTY

The 1997 Alaska QSO party, sponsored by South Central Radio Club (SCRC) of Anchorage, Alaska, takes place this month. Please plan to participate in this exciting event. We have received word that there are literally thousands of stations in the "South 48" that will be looking for Alaska contacts.

Contest period: Begins at 0000Z March 22 to 2400Z March 23, a 48 hour period, Note that the start time equates to 3:00 PM Friday, March 21 for stations using Alaska standard time, and ends at 3:00 PM Sunday!

Who to work: Alaska stations work everyone, including other AK stations, others work only Alaska stations. All bands are used, and contacts may be made using CW, voice (phone), satellite, RTTY, or whatever.

Scoring: 1 point per phone contact, 2 points per contact for any other mode (CW, RTTY, SSTV, etc). Contacts via 160 or 80 meters, or via satellite, count double. Same band different mode counts as separate contact. Dupes (same band, same mode) do not count!

Multipliers: AK stns: QSO points times USA states or DX countries.
Others: QSO points times Alaska cities. Also see 160/80/satellite mults above.

Suggested frequencies:

CW	Phone
1835	1855
3700	3785,3875
7035,	7135 7235
14035	14245
21135	21335
28135	28335

All frequencies +/- QRM, try to stay within 5 Khz either way.

Logs: Send logs to Kyle Sandel, AL7J,
8811 July Creek, Eagle River, AK, 99577.

Cutoff date May 31, 1997.

from March 1997 South Central Radio Club News, page 4

<http://www.servcom.com/worcester/scrc.htm>

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Mark Gaponoff <gaponoff@macconnect.com>
Subject: [14710] 38 Special "thump" fix question
Message-ID: <103020900af4f4cd31851@[206.80.181.162]>

Folks,

From "Reder, Ronald" <Ronald.Reder@wang.com> post on
Tue, 11 Mar 1997... (extracts)...

=====

...When I started looking at where to cut the trace from
U2-11, I discovered the primary cause of the thump.

The way the board is layed out, the ground connection for C14 goes to the
ground plane that serves U4. This chip conducts a lot of current. That
causes the voltage on that ground plane to rise on transmit and drop on
receive relative to the ground point for C38, the audio amplifier reference
voltage. This causes the thump when the transmitter is unkeyed.

...

=====

My question is:

To solve the thump, is it sufficient to just cut the ground
trace from C14 to U4, and run a jumper from C14 to one of the
spare ground pads under U2? Does this stop the thump? Is the
RF filter then really needed? (I am not adding the TiCK yet).

I am still building my board, so it is easy to get at the
area in question now. Has anyone else found that this mod
does the trick?

By the way, Ron, nice job!

--Mark

-- Mark Gaponoff (gaponoff@macconnect.com) 73's de KJ7EM.
"Life has meaning, but a poor signal-to-noise ratio."
-- Ann Gaponoff (gaponoff@macconnect.com)
"Si hoc legere scis, nimium eruditionis habes."

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: TonyDrumm@ibm.net (Tony Drumm)
Subject: [14625] 38 Special audio osc.
Message-ID: <199703140100.BAA153128@out2.ibm.net>

This past weekend, I finally was able to smoke test my 38S. Fired up fine with not visible smoke and the expected hiss in the earphones. The cap trimmer showed only one max, so I removed a couple turns from the transformer. At this point, I noticed a low to moderate level tone in the audio. Seems to be right around 500Hz. Touching the components with my fingers, the tone gets strongest when I'm touching around the 602 at U3.

I don't have the key jack connected yet, but I used the Tune mode of the Tick to try the transmitter, and I used the tune-for-minimum-SWR method to adjust it. Seemed to work fine. I used one of the variable-output mods and can adjust from about 1W up to something close to 10W. I did the tuning at the lowest setting, and I suspect the output signal is probably not too good at that high end. I didn't check the reverse power at the high level - basically afraid to leave it there for very long. I'll probably check what resistance is needed to get to 5W and add that in series with my trimmer pot.

If I can get rid of the annoying audio tone, I think I'll be about ready to try making a QSO. BTW, I also have a somewhat low tuning range - 10.09something to about 10.119 or so. I used the RIT mod L1 value but then decided not to do the rest of that mod. Do you think changing L1 back will alter this range upwards?

72.

Tony Drumm
ARS AA0SM - Rochester, MN

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [14698] 38S Freq Range Mod?
Message-ID: <332b6188.39656894@smtp.usit.net>

The RIT mod in the 38S calls for removal of the 4.7uH choke and installing rather a 6.8uH choke. Will/should substitution of the 6.8uH choke expand the frequency coverage without the RIT mod? Or should the 4.7uH choke be left in?

Is 6.9uH close enough to use for this mod?

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Yong K Cho" <yongcho@yongcho.seanet.com>
Subject: [14655] 38S Help
Message-ID: <199703140435.UAA05862@mx.seanet.com>

Hi Everyone,

Thank you for reading this. If anyone had same problem, please give me a solution.

I built this about 3 weeks ago(no mod) and I think I did everything I can do.

Symptom:

No audio(no signal) - just sh----- sound and can not adjust with pot.

Output - seems no output but has side tone.

Voltage measurments - most voltages are same like NA5N table but U1. U1 doesn't change voltage when transimt.

Anyone have idea, please share with me.

72/73's Yong, N7ZEI

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [14639] 38S QSO inductor color codes and audio chip mod.
Message-ID: <3328BDBC.6251@concentric.net>

Hi all!

Seem to have gotten most of the bugs worked out. I still have not added the diodes to the audio chip and have not done the tone mod for the TiCK chip. I was scrounging in the parts bin for resistors and the only inductor that I have in there is color coded RED BLACK RED GOLD. I measured it with the RF-1 and at 4.mhz it measures 100 uh. Can this be right? I never have learned how to read inductors right, even back when I was doing this for a living! (20 years ago!) I always just threw it on a bridge or something. Anyone know if this is right?

I have been using the TS140 the last couple of days in the mobile to hamstick on 30 meters since working on the 38 S has reminded me how much

I like 30 meters. I have worked several stations running QRP power levels into a hamstick with a 2.3 to 1 SWR. The worst part about it is the people on the other end have had to put up with me keying the rig using the hand mike! I even had a couple of people comment on how good the keying was for mobile use! I did work WA6TLA in LA tonite qrp to qrp and that was fun. I received a card from W8MAC that said that he had never worked a mobile on 30 meters that was moving! I did try putting the Island keyer in the van hooked to the TE NE KE the other day and that worked out ok. Problem was that when I hit a bump, the fingers ditty ditty dah dahed when I did not want them to!

I did work a couple of QSO's tonite on 30 meter and KG7PV in Portland OR was 38S to 38S. Real nice to work another 38S rig. I seem to have the problem with which side of the tone figured out.

I am still digging in the junk box for the right value resistor for the Tick mod and diodes for the audio chip mod. I am not sure that I can come up with a 2.0 uh coil to add to the 4.8 in the kit or a 6.9 uh coil locally but right now the rig is tuning 10102 to 10120 so not too bad.

That's about it from here right now

Best

Jess N0TFI

<http://www.concentric.net/~jessqrp>

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: Goemans <jgoemans@facstaff.wisc.edu>

Subject: [14638] 38S, let the smoke out !

Message-ID: <199703140241.UAA82900@audumla.students.wisc.edu>

Hi gang,

I wanted to expose my tale of smoke in case anyone else had a similar "situation" and I will listen to suggestions....

Built my 38spl with 5 watt mod, everything was fine untill the final was installed ! Recieve tuned up fine, I kluged resistors in on the tuning pot to kinda smooth out the tuning a bit, got 10.100 to 10.128, not bad! I did the mod to the mod per NA5N , revised gate circuit to the fet, but NO ferite bead, per someone else. C26 changed to 330pf, C505 at 330pf, rest of LPF stock. Wow, tuned output on scope, got over 3 watts out, with smooth waveform edges ! Keyed nice, no swoops, pops, drifting. The final is heatsunk to bottom of case, the TenTec TG24, wasn't even warming up ! I was too smug. After keying it on and off with a clip lead for awhile, suddenly *snap* went the FET and the smoke leaked out ! I was driving a 50 ohm dummy load by the way, thru a Wels wattmeter. Darn! I changed the FET, wow the new one put out 5 watts ! Musta been a bad device. Tuning hte trimmer again, the whole radio died ! Yep, the 4 amp fuse on my gelcell went ! New fuse,

radio fires up, 100 mW out, open FET !! Bummed, no more IRF510s in the house!

Any ideas? I will look at the drive waveform carefully before putting in another final. Lack of ferrite bead causing unwanted oscillations I can't see on my scope ? Bad phase of the Badgers? What'cha think ??

72, Paul (temporarily milliwatter) WA9PWP

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [14650] 40m condx
Message-ID: <M1336055.001.01970.1.970314034842Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Thursday evening, about 0200 UTC.

Went out to the shack to check for N2TNN as the fox, and could hardly find any signals. Certainly no sign of the fox or any hunters, and very few signals on the band at all.

Anybody else notice it? Or is just me?

72, Bob N6WG
Newark, CA on SF Bay

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [14700] 40m condx last night
Message-ID: <M1336700.005.10574.1.970314174850Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Interesting. I had five responses to my question as to whether conditions were really bad last night, or was it just me?

Everyone said conditions were bad, but at the same time several reported some really nice longhaul QSOs. Cross country on QRP with bad conditions.

Maybe it was just that everyone else stayed off the air, not that conditions were actually bad.

Anyway, like I said, curious.

NEORP#511; ARRL; OCWA

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Steve/n0tu <N0TU@webaccess.net>
Subject: [14680] A "Good" Mobile Antenna - Results-TKS!
Message-ID: <33295C8F.4B04@webaccess.net>

Well...No surprises here...the bugcatcher was claimed to be the most "effecient" with the screwdriver runing only a dB or so behind it...while the hamstick is about 10 dB down from bugcatcher/screwdriver designs...BUT there seemed to be a strong following for the hamstick...Maybe it's the price (also more than 10 dB down from the screwdriver!) or I'll bet it's that old QRP spirit of trying to squeeze the MOST out of the LEAST!!

BTW...I've decided to grab a hamstick for convience sake...and then build a bugcatcher for 40m...any construction suggestions or info on this would be greatly appreciated!! Thanks agn for all the great responses...This is the "place" for me QRP-L... What a GREAT group!!...TKS! Steve

WAIT.....WOW....Just snaged ND on my old HW-8 & attic zepp on 40m...while I was typing this message...I heard KB0WVL (Jim in Minot, ND)callin CQ - vry strong! Didn't know he was in ND. He gave me a 589..really! of course I gave him a 599! QRP is so FUN!! I wunder if he would of heard me if I was on the Hamstick?? ;-/Steve

"Just doing it" - Havin'a blast buildin'& usin'QRP gear that is...
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Bill Myers <bjmyers@arc.net>
Subject: [14653] AADE Digital Freq Counter - Update
Message-ID: <1.5.4.16.19970313220031.1b1f03a2@mail.arc.net>

I've had a number of e-mails wanting to know whether I got any noise with the digital display. So far, NO...

I have layed the display (with no case around it) inside my HW-8 on the oscillator section, no noise increase.

Same with the NC38S, 40-9'er, and Icom 735.

Still Happy, and still have no financial interest...

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [14628] Alabama trip, KF4KRV, W9DZ, small world, stuff for
Message-ID: <8D3E46F.00040015A2.uuout@cheaha.com>

-> in Luverne, AL and arranged to meet for dinner. Ed's a very nice
-> guy,

HEY! Quit spreadin' rumors about me!<g>

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [14715] Backpacking Antennas
Message-ID: <332A4667.6E7C@kodak.com>

Any great ideas out there for backpacking
antennas?

For 80/40 meters, I think that an rg-174-U
coax fed dipole would probably be fine, but are there any other
nifty light weight ideas out there that we might be able to
take advantage of?

Previously as De-Maw stated in his qrp notebook, I have
used the RG-174U with magnet wire, and buttons for insulators.

This works great. What other ideas are out there?

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Randy Hargenrader <randyh@harksystems.com>
Subject: [14692] Dayton
Message-ID: <33297704.4912@harksystems.com>

Whats a web site for Dayton hamfest info?

--

73, Randy WJ4P
QRP-L #296 ARCI #9152 1996 40-9er High Scorer

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [14717] dead fox
Message-ID: <199703142021.PAA15335@mail.ifu.net>

Oh boy,

Looks like UTC got me again. I was looking forward to tonight and it should have been last night.

This is bad....

Sorry for all the inconvenience. I will be on tonight from 0100-0300 if that will help.

72/72 Dean N2TNN NJ

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: tahrens1@juno.com (Tim H. Ahrens)
Subject: [14702] Dean - are you OK? + 40 condx
Message-ID: <19970314.120820.13127.0.tahrens1@juno.com>

Just hoping all is ok, since
nobody seems to have heard you
last night.

Condx here in Austin were pretty good..
didn't hear a lot of DX on, but almost
all call areas were heard, & Dan (N7VE)
and I had a pipeline from his place in

Phoenix 599 both ways QRP! We did have a goodly amount of QRN.. I guess the cold front that was gonna pass through was starting some thunderbumpers somewhere. Cranked down far enough, the filtering on the GQ40 was good enough to mask it.. OBTW, I agree with Nils - the notch filter on the TT Argosy is really great.. it even does a good job on digital junk. I'm gonna copy the circuit and put in my RTX10, and probably a couple of other rigs.

All for now, have a nice weekend

Tim W5FN

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Kevin Potter <k5vp@earthlink.net>
Subject: [14713] digest-thanks
Message-ID: <33293252.6282@earthlink.net>

Thanks to all for all the quick replies for digest mode.

This is the best list going!

Kevin

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Mark VandeWettering" <markv@tick>
Subject: [14711] Dumb Newbie Questions (Should this guy really have a soldering iron?)
Message-ID: <9703141056.ZM11148@tick>

More about my continuing saga on the Pixie II

Background: While computer savvy, I relatively radio ignorant. There are undoubtably hundreds of completely obvious things I don't know, and my hunches are probably entirely wrong, so please feel free to correct me.

I hacked together the Pixie II the other day using a color burst crystal, and have created a 50 ohm dummy load using some old resistors. I have the following questions:

1. I can hear the crystal oscillator running continuously (it is supposed to, the amp only is keyed to prevent chirping. Still, it seems quite loud in my Drake 2B, especially when I plug an earphone into the receiver. My naive guess would be that this is some coupling between the rf and audio sections, does this sound correct? If that is the case, how can I reduce this coupling? Any hints about physical construction of HF devices would probably help (I have plenty of books on theory :)
2. The dummy load does not seem to reduce the amount of radiated energy, at least measured by ear. Possible problem? I can't measure any voltage drop across the dummy, which confuses me.
3. How important is a good earth ground in a battery operated rig? I don't have a good ground (I live in a second story apartment).
4. If my antenna is poorly tuned, can the reflected power be responsible for the high oscillator output?
5. The rig seems pretty deaf, but then I normally don't get very good reception in my apartment with my random wire antenna. I imagine that could be that it just isn't very well tuned.

If anyone else is interested in the Pixie II, the rather straightforward schematics are on the QRP-L ftp server:

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/rigs/>

Thanks for your help!

Mark "Work on the Code" V.

--

Mark T. Vandewettering	Telescope Information (and more)
Email: <markv@pixar.com>	http://webpace.com/markv/
<markv@webpace.com>	Clear Skies!

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Joel Malman <malman@BBN.COM>
Subject: [14616] FCC to license computers
Message-ID: <199703140025.TAA38217@nss2.CC.Lehigh.EDU>

Not really QRP, but I'm sure that anyone who does QRP packet will care, and maybe even all the USA readers of this QRP-L mailing list, will care...

[everyone, belly-up to your keyboard]

Just read a story today that says the FCC, starting 1 April 1998 (about 1 year from now) will start to require a license (read: FEE) be paid YEARLY for a computer to be used in conjunction with Amateur Radio. The fee is said to be \$1.00 per MEGABYTE of disk storage space. (Gee, even a floppy has more than a megabyte of space).

So, if the PC or whatever, you use for logging, contests, maybe even reading QRP-L, happens to have a GIGABYTE of disk (pretty common these days) get your checkbook ready for a big hit.

If you know more about this, please fill us in !! Hey, I just read it in print. Anyone with the facts ??

/joel wa1qvm (concord, ma)

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Steve Miller <kg7pv@teleport.com>
Subject: [14637] First 38S to 38S qso
Message-ID: <1.5.4.32.19970314023449.006695f0@mail.teleport.com>

Jess N0TFI answered my qso tonight for my first 38S to 38S qso. Portland, OR to Boulder, CO with 5W on both ends. What fun stuff.
(PS - Jess, I need your e-mail address too) 73 and back to the rig.

Steve Miller KG7PV Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: jsm@deepcove.com (Steve McDonald)
Subject: [14632] FOX TONIGHT?
Message-ID: <199703140128.RAA06502@freya.van.hookup.net>

Dean...where are you??? N2TNN..????...anybody hearing him???

VE7SL

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [14642] FOX TONIGHT?
Message-ID: <970314030048_70511.3041_IHD103-1@CompuServe.COM>

VE7SL:

Nope. Later, maybe? Tim also just now said he couldn't hear him, either.
Let's hope.

72/73,

--Doc/K0EVZ QRP-L 861 MN-QRP 19 NJ-QRP 69 AK/QRP 139 norcal cqz arrl

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [14640] fox??
Message-ID: <9703140249.AA00342@rgfn.epcc.Edu>

I have been tuning between 7030 and 7045 with no fox heard nor
any of the pack noise associated with a fox. Band seems pretty
good as I have heard a couple of 2's and 4's but no fox. Oh, Well.
There is always next year. 73 Ray

--

Ray Colbert, W5XE, SOWP 1064M, 00TC 3618, FISTS 2146
El Paso, Tx

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: rob3ert@juno.com (Robert G. Parks)
Subject: [14614] FS:HW-8
Message-ID: <19970313.160317.3790.0.rob3ert@juno.com>

Excess to my needs:

HW-8 with manual
HWA-7 power supply
1994 edition of "The HW-8 Handbook", (mods for the HW-8, HW-7 and
HW-9)

Price: \$120, including shipping to lower 48.

72/73

Bob Parks
K6AEC (Las Vegas)

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [14619] Gel Cell Charging??
Message-ID: <v02130500af4e46665c21@[192.31.66.229]>

Dan (and all) - I hate to pick nits, but don't these two statements contradict each other?

"12v lead acid batteries such as Gel Cells will float charge forever at 13.8v."

"The service life for lead acid batteries left on "float" is something greater than 5 years."

: -)

Ok, so 5 years is forever. :-). If you treat your gel cell nice it will last more than 200 full charge/discharge cycles. Full discharge is 10.5 volts for a 12 volt battery. You shouldn't let it go below this value if you want it to last forever.

If you float charge your gel cell you should probably limit the current during float (after full charge) to 0.05 C or less to be nice to your battery.

Also if you use a 13.8V constant voltage charger to charge your batteries you should be aware that you will only be able to get 80% or so of the full charge capacity of the battery.

>From what I remember and am able to reconstruct from the Handbook, the best way to get a full charge into a 12 V lead acid battery is to charge it with constant current until 14.4V is reached, then taper off the current until a charge of 13.8V is reached. (Does that make sense? I guess I should dig out my freshman chemistry text, a book only slightly less useful than the Handbook, to see if this makes electrochemical sense.) The outside of the batteries also have this information in a somewhat cryptic form. The Unitrode 3906 chips charge this way, with the minor exception that they start with a short period of trickle charge at 13.8V. I think this is to

insure against overcharging a fully charged battery.

Several years ago someone posted a lengthy article on gel cells. I thought it was on this list, but I may be wrong. I believe it was reprinted from Gates. I have been searching for this article since I inherited 3 6V 7AH gel cells that were changed from my UPS. I have been unable to find it searching the web. Can anybody point me to it? Or tell me it was just my imagination?

By the way, I use a 110AH deep cycle Marine battery for my supply. I charge it from an "ATEC 6A Automatic Solid State Automobile Battery Charger" that I use for my car batteries. I usually charge it until a full charge is reached during my QRO sked with my dad, then use it on QRP during the rest of the week without fully charging it. I can tell when it has reached a full charge as it "burps" slightly when 14.4 volts is reached. It never has been discharged below 11.5 volts and it is 3 years old.

By the way, the batteries in the UPS were changed when one of them died. A seam opened and there was a small bit of gel on the outside. They were 3 years old. I believe the charger in the UPS floats the batteries. The others appear to be good, and I have at least another 2 years of float use from them. I want to build a charger for them and would like to see the article I remember before I undertake this task.

Maybe I will build your simple charger in the mean time. Keep on posting. -
Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Len W. Touth" <len@infinet.com>
Subject: [14726] GM-15 - A Pleasant Experience
Message-ID: <199703142322.SAA01188@mail11.infinet.com>

Hi Gang:

Just finished the Small Wonder Labs GM-15 Kit.

NICE KIT!

Complete builders report will be posted on the CQrp Web site by Monday.

Usual disclaimers please.

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

QRP-L # 841 CQrp # 2 ARCI # 9025 FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - *CQrp*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: "Brian K. Short KE7GH" <ke7gh@primenet.com>

Subject: [14719] Going Back To "Digest Mode"

Message-ID: <3.0.32.19970314214938.006b6e60@mailhost.primenet.com>

This mailing list is (err...) entertaining to say the least,
but I need more time to build and operate, so I'm returning
to "Digest Mode" as I got my questions answered etc for now.
Oh, and when all those recommended books arrive, I'll need
even more time to read them carefully.

Sometimes it is easy to miss the real gems in the digest and
the up to 24 hour delay can be a factor...maybe someone will
be kind enough to forward to me or the AZ QRP network anything
deemed of sufficient criticality to require specific attention?
Volunteer(s)?

Otherwise, I'll try to be careful in my perusal of the digest.
73, Brian ke7gh@qsl.net

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484 ke7gh@qsl.net

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Mark A. Arvidson" <arvidson@swbell.net>
Subject: [14649] HB: Pixie II Sidetone question
Message-ID: <3328C9D5.7FA7@swbell.net>

Does the infamous Pixie II have a sidetone? It doesn't look like it, but it can't hurt to ask, eh?

I made one from the schematic, so I don't know anything that I can't figure out.

Mark Arvidson
KB0SPQ

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Mark A. Arvidson" <arvidson@swbell.net>
Subject: [14661] HB: Pixie II Tales of Whoa (long story)
Message-ID: <3328DE81.6400@swbell.net>

Yes, folks, I said "Whoa" not "Woe."

Like I said in a previous post, I grabbed a pile of old TV repair parts from a local fixer-guy. With all these neat discrete parts laying around, I thought I'd try to build something. It's raining here in KC anyway, and looking like it's gonna be cold.

Well, I don't have any more kits laying around, and I don't have much experience. I do have a hot solder iron and a little piece of 1.5"x1.5" perfboard. I also have a stack of schematics. I decided to try out the Pixie II, since I had a schemo from both K5FO and G3YCC. Well, I stuck in the parts, pulling them out of the junk box as I came across them.

Using my best radio-building technique (1. find part (20 mins. ea.); 2. plug part into approp. number of holes; 3. solder in part; 4. unsolder part and turn around), I stuffed a bunch of doohickies and thingies onto this perfboard. Then I soldered some wires on the bottom to hook them together.

Suddenly, I realized I was all done, except for the output filter (Low-pass) on the antenna line. So I carefully checked everything to be sure it matched the schematic. Hmm...Maybe it's time for power. Hooked up connectors, plug in the first 820pf cap and the 2.2uH choke for the ant filter. Oops! No second cap. Oh, well...Smoke can get out even if I don't have a filter...I'll check for smoke.

Plugged in power, and Whoa--I hear something...No, wait. It's a sawtooth pattern with VERY loud clicks. That doesn't sound good. Check everything again. Still matches schematic. Look closely at transisters. Look at pin layout. Transisters. Pin layout. You get the picture. They're reversed. Can't seem to get the glob of solder and connections away from the leads enough to remove the trannies from the holes, so I figure I'll cut them out and put new ones in.

Oops..No more 2N3904's. Instead, I carefully cut and de-solder around the leads until they're isolated, and jumper-wire them to the other side. Looks silly, but if it works, great. If not, I'll try another transistor type.

Apply power, and Whoa--I hear something. It's a hiss! Cool! Time for bed.

Eventually, I got home from work, finish dinner, and got to go down to the shack. Listen to some more hiss. Bravely, I close the key. Click! (nothing) Ok, I don't know if it worked.

Figure I'd better get an output filter and antenna connection going. Resisters aren't going to transmit much. Gosh, with no 820pf's, I'll have to redo it. I find a 1.5uH choke and 1000pf caps. That comes to about 4.1 Mhz, so I piece it together. Stick a wire on the end. Stick the other end into a connector (to my 30m dipole). Whoa--I hear beeping! Plug in a dummy, close the key, and I think I see the needle move on my 20W power meter...

So, I jump around, cheer, scream, etc. The doorbell rings, but it's non-ham-interested friends. Wife's still not home, and the cats don't care, so I decided to tell the story to y'all...

Hmm...Guess I'll put this in a case, although any case will double the size of it. I may build a VXO for it, perhaps keyer offset, sidetone, maybe TiCK...

Ahhh, the joy of Homebrew!

Mark Arvidson, a.k.a. Crazy Solderhead
KB0SPQ

--enter tagline here--

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: haf47@juno.com (HOWARD A FRIEDMAN)
Subject: [14627] I love CW because...
Message-ID: <19970313.194107.4455.1.haf47@juno.com>

Hi Gang, I am seeking the help of CW lovers on QRP-L. I have written a CW learning guide for my club and would like to include some feelings on the part of some of you folks on the subject of:

"Why I like to operate CW", or

"The best contact I ever had on CW was....." or

"The method I used to learn CW was....." or

"My favorite computer CW learning program is because....." or

any similar theme that you think would be of interest to a new ham.

The guide is already written, now I need anecdotes. The length may be from one sentence to one paragraph, and will be subject to editing to fit, altho I'll try not to.

I think you get the general idea. Please include at the end of your post your permission to use your name, call, and words in this learning guide. This guide is produced by my club (Schenectady Amateur Radio Association) and is distributed free of charge so nobody's making money here.

I'll be happy to send a copy to all contributors for the price of the postage.

In our area, The Limping Skunk Amateur Radio Society (really!) offers code practice from W1AW Monday, Wednesday and Friday on its 147.30 repeater at 7PM. Every nite at 8:30 PM (Monday thru Friday) the Skunks air a code learning course that consists of a total of 5 lessons that teach all the letters and numbers. This course rotates so the same lesson doesn't "air" the same nite every week.

Anybody considering doing the same is welcome to contact me for more info or to get a sample "script" of the lessons I use. Our best success story is a kid 10 years old who listened to the course for three weeks and passed 5WPM the first time he took the test!

Thanks in advance for any possible input...73, Howie

haf47@juno.com
WA2AFD @ WA2UMX.NY

QRP-L # 1008

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [14654] Made A Mistake, But Was Wrong!
Message-ID: <3.0.32.19970314041234.006ff1bc@mailhost.primenet.com>

>I'm not sure what you meant above. Clover and PacTOR-2
>don't care what polarity the signal is, if I have my info correct.
>I KNOW that Packet AX.25 doesn't care, it uses the bit transition
>and not the absolute position of the bit (M or S), to determine a
>1 or 0. It's similar to NRZ (Non Return To Zero) encoding. Packet
>doesn't care what sideband you transmit the AFSK on. That's why
>the TNC's don't have a REV function for Packet!
>
> I could be wrong, but I think Clover and PacTOR-2 are the same.
>The FSK modes (RTTY, Amtor) DO care.

I thought I made a mistake once, but was wrong!

Anyway, I was thinking of an old mod I made to my PK-232 long ago...
The "ASCII" data ran through an inverter (with switch activated).
It was to invert data from an FM channel (old UoSat actually). The
TNC did not have the RXREV function in THAT mode, either. It did
matter, too.

But this is a different matter entirely and several have been kind
enough to "gently" mend my thinking.

For RTTY, AMTOR, Pactor, yes, RXREV/TXREV no problem.

Pactor-2/Clover are somewhat academic for me, but I am curious?
For Pactor-2, I'm not so equipped at this station, but I would be
interested in hearing stories. I think those using it with automatic
power output feedback have mentioned how little power is required?
I can connect P-38 and QRP+ if someone wants to try Clover? Not very
portable, though. Anybody tried this?

I was wrong! (But thanks for being so gentle about it!) ;^}

73, Brian

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: jim <kw3u@warwick.net>
Subject: [14695] Meteor shower
Message-ID: <33297D9E.51D0@warwick.net>

Kinda/sorta qrp...from our weekly paper...

METEOR SHOWER MAY DISRUPT RADIO

Aug. 10, 1926 - - Radio fans will listen in on a celestial concert tonight. For the first time they will be enabled to compare the music of jazz with the music of the meteors.

Every year, on Aug. 10, about ten o'clock in the evening, great meteoric showers occur. On that day the earth cuts through the meteoric swarm, resulting in fiery flashes hurtling through the evening sky. the theory is being advanced for the time by Dr. Hugo Gernsback, editor of Radio News and known as the "Jules Verne of America," that showers of this kind must produce electrical effects in the earth's upper atmosphere, which should be easily picked up by a sensitive radio set.

Listeners are asked to sit by a window, preferably with headphones, and tune in. They should turn the dial to a position where the set is most sensitive and avoid interfering with any regular program. When the meteor appears they should hear a static splash which is different from plain nuisance static.

Was before my time but maybe there are those among us that remember this??

End of nostalgia post ; Now back to the regularly scheduled program.

72/73 Jim KW3U

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: QRPDave@aol.com
Subject: [14667] Mizuho radios
Message-ID: <970314021236_-1673297440@emout11.mail.aol.com>

Hi guys! I have heard of a line of radios, among them a hand-held 20M rig, made by Mizuho. I am assuming of course that they come from Japan and no one

seems able to tell me if they are sold in the U.S. Are they only available in Japan? Does anyone have a current catalogue? My wife is going to Japan in June and may want to bring Dad a gift from across the ocean. Any help would be greatly appreciated! QRPDave@ocsnet.net or QRPDave@AOL.COM

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [14687] More 38 spcl. questions
Message-ID: <Pine.OSF.3.95.970314091050.1586A-100000@duke.usask.ca>

I went down to the local Radio Shack to get the extra parts for the 5 W mod, and the RIT mod with transistors instead of diodes as well as changing C26. I could not get these parts:

C26 330pF (would 470pF work?)

IRF510 (They had an IRF511, is it close?)

18K ohm resistors

5.1k ohm resistors (I'm thinking of using two 10k's in parallel, would that be close enough?)

6.8uH molded choke (They don't have ANY chokes!)

I would be grateful, if someone would know of substitutes or alternative sources for these parts.

Thanks.

Brian.

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+-----+
| Brian Buydens,          Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                                |
+-----+
| Keep Cool, but Don't Freeze                                |
|           - Hellman's Mayonnaise                                |
+-----+
```

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)

Subject: [14620] Moscow
Message-ID: <199703140048.AAA05464@chuck.dallas.sgi.com>

My typo

Moscow 37.58E 55.75N

I'm sure that some people would like to move further south for the winter but that is physically challenging.

Chuck Adams K5FO adams@sgi.com DXCC=11
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Joel Malman <malman@BBN.COM>
Subject: [14721] my last message
Message-ID: <199703142209.RAA64455@nss2.CC.Lehigh.EDU>

Folks,

For sure, Ernie had it figured out within 10 minutes... But it was in Worldradio, April 1997, page 7. Under the heading "FCC Licensing Begins" (sic).

In any event, 30 Meters is wide open to Europe as I speak... Easily worked HB9CIP Dan, UT5UIA Serge, DL8BDF a QRP-1 list member, and PA0IA all in short order. What's neat is that Bert, DL8BDF and I were both running the same rig ... a QRP+

Hummm, QRP seems to be about enough power to work the world and have quite a bit of fun at the same time.

/joel wa1qvm (condo-bound in concord, ma.)

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Michael Connor" <mikec@primenet.com>
Subject: [14647] No fox in feenix
Message-ID: <199703140341.UAA19074@primenet.com>

Ain't hearin nary a thing, not even
a hound a' hollerin.....

Mike
NQ7K

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Kory Hamzeh <kory@avatar.com>
Subject: [14651] Noise bridge kits
Message-ID: <Pine.BSI.3.91.970313194628.6881A-100000@avatar.avatar.com>

Hi Everyone,

I'm very new to QRP, so please excuse my ignore for right now.

I'm think of building a Wilderness Seirra xceiver, and I would really like to add a tuner and noise bridge in the same enclosure as the Seirra. I haven't quite worked out where the knobs will go. If thats not possible, an external enclosure will do.

Is anyone aware of any noise bridge kits out on the market? I remebmer hearing that TenTec used to make one.

Thanks,
Kory
AC6RN

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [14709] OHR100 lives! (Review, LONG)
Message-ID: <19970314.114907.6614.0.gsurrency@juno.com>

OHR100 review to follow: Hit delete now if not interested.

My opinions of the OHR100 I just finished:

Construction:

All the parts were there, and everything fit and worked as designed. Quality is evident throughout the design, and I'm a S&S Engineering advocate! This kit is a lot easier to build than S&S kits, but it is equally rewarding. Every trimmer cap, pot, toroid coil, etc., all fit perfectly and tuned to spec. without altering toroid turns, or any other

component! Amazing that everything works together properly, considering the number of components and tolerances. Nothing needed to be changed! This means someone (Dick Witzke) spent a LOT of time debugging and designing this kit so nothing is too critical for tolerances encountered in building and purchasing parts. My hat is off to you, sir!

I studied the PCB layout for some time, and have concluded that much thought went into its design. The different stages of the rig are placed in logical positions to where their proximity to connections and function are. The PA is very near the antenna jack, as is the rcvr input filter. The VFO is just below the tuning pot, and the audio section is just behind the AF gain. The transmitter stages are at the left rear of the PCB, so that it is in line with the driver and PA stage at the rear. The IF filter and RIT circuit is in the center.

All in all, it makes for a logical layout, with only a few short wire connections. The wires are terminated with wonderful plug-in connectors to make the process easy. The entire PCB will come loose after unsoldering only one lead that goes to the antenna, and it is straight and only about an inch long. The chassis is just the right size to permit easy installation of the PCB, but it is no larger than it needs to be. There are only 9 screws in the entire kit, and 4 are used for the PCB, 4 for the SO-239, and the last one mounts the PA transistor.

There are lots of blue monolithic .01s and .1 caps to install, but they fit the PCB holes well and don't need any lead reshaping. A couple of 150 discs had a little too wide of lead spacing, but a little work with a pair of small needle nose allowed them to sit down on the board well. The resistors all go in superbly. No surprises really at all in assembly, just take your time enjoy it!

I scrubbed the flux off the PCB with a toothbrush and denatured alcohol and followed it with a sparingly applied spray of Formula 409 to remove the remaining residue from the 63/37 Sn/Pb alloy solder. A final rinse of de-ionized water was applied, then I shook off the excess water off before finishing the drying with 20 psi of compressed air. Care was used to prevent water from reaching the top (component side) of the PCB, keeping water out of the trimmer pots and caps. Things dry very fast here in the desert of AZ!

Alignment:

I completed the OHR100 last night and waited 'til today to align it. Piece of cake! Even without a decent 'scope, I was able to fake it out. Used my MFJ-259 to get the VFO freq. in the ballpark. I just tuned it until I got 23.000 Mhz on the LO signal, 'cause the VFO freq. of 3.340 Mhz is too weak to trigger the analyzer's counter. Same result: got the VFO where it needed to be.

Those of you building this kit can do what I did if you lack a scope, and use whatever counter you have to find the proper LO or transmitted freq. I found a good point to pull off the transmit freq. for the MFJ counter is at the protection diodes on the front end of the receiver. Make sure to use a DC blocking cap to protect the MFJ's input, since it is DC coupled and easily blown out. The diodes keep the RF level low enough to get a freq. reading but there is enough RF as low as 1.0 w to take a reading.

Receiver tuned circuits peaked up nicely, indicating good resonance of the bandpass filters. BFO and transmit offset oscillator were a cinch. I matched the BFO, offset, and sidetone frequencies so they all are about 600 hz. Didn't take very long to do.

I suggest reducing the power output to around 1-3 watts when tweaking the LO and transmit bandpass filters. I seemed to get a good pronounced peak this way. I used both the audio voltage and the AGC voltage to peak the receiver. Either way was just fine.

Operation:

I found the PA stage would produce almost 10w at 13.8 volts if I crank the power adjustment all the way up. But I returned it to the "standard" QRP level of 5.0 watts to comply with official practice. Nice to know the capability and drive level is there if it were needed, or if any component prior to the PA was a little weak.

The heat sink on the PA reminds me of many that I have seen in computer power supplies. It is a little shorter, but completely adequate for the dissipation of the 2SC2078, and really is a beefy unit. I like it a lot. There is enough metal there to absorb long alignment and tune-up keydown, so not to worry about it wimping out.

A few un-intended transmissions into an open (!) coax switch didn't seem to hurt anything. Nicely rugged PA design. No instability anywhere. In fact, into an open load or a highly reactive load (like using the wrong antenna!), the output was still clean and free of hash or parasitics. Very, very tolerant of mis-matched antennas.

Using a 12v gell cell, I had no problem tweaking up the power output to 5w. It would still go higher, to 8-9w or so depending on the battery condition and voltage. I have a 12v 7.0 A/H Powersonic battery.

Freq. overage on mine is 14.0 to 14.073. Very smooth high quality pot, nice resetability and no play in the shaft. Dial calibration is a little off, but no problem since I can monitor the LO with the MFJ counter or use the main HF transceiver to spot it. I set the lower freq. to exactly

14.000 Mhz so I don't have to worry about out of band transmissions. The digital stuff at the high end serves as another reference if I wonder about that freq.

I viewed the RF envelope on my ancient Heath HO-10 monitor scope, and it had very nicely-shaped rise/fall times. Sounds nice on my main rig, good note and no clicks. I had a QSO today with VE7BLM/qrp (he was on a NW8020) and noticed no drifting between the two of us. The variable IF filter was good in eliminating a carrier that was just below our freq.

In a long QSO such as this one, I noticed some moderate heating of the PA heat sink, but never too warm to be uncomfortable to the touch. Between transmissions it cooled to near room temperature. I would say it is sized very appropriately. The QSK is very smooth, with no noticeable pops or clicks during the T/R transition. It is reasonably fast, but not as quick as the ARK30 I own, or the TAC-1. The ARK30 has relay QSK, so although its QSK is lightening fast, it does click a little. The TAC-1 will hear between solid dits up to about 13 wpm, but the OHR is somewhat slower than that. The FET muting in the audio chain seems to work extremely well, though.

Audio is very quiet, and has enough power to drive an efficient speaker on most signals. The weaker ones need headphones or a low room ambient noise.

Likes:

Easy assembly. All parts fit well with no interference or "kludging"
Quality components. No junk is used.

Beautiful PCB with no high density areas, 5 1/2" X 4 3/4"

Nice heavy cabinet. Well painted and silk-screened.

Smooth QSK. Easy on the ears, and quiet T/R transitions.

Delightful tuning, easy to set within a few hundred hz. Repeatability excellent!

RIT works real well. A detented pot would eliminate the RIT toggle switch.

Variable IF filtering is nice. Maybe doesn't need an active audio filter, but I'll try it later, anyway. Got lots of LM358s laying around. ;-)

Strong transmitter, easily does 5w with plenty more to spare.

Easy to align. Great first time kit. Only 9 toroids to wind, and 6 are the same number of turns! 6 are 15T, 2 are 14T, and the VFO is 23T on a larger core.(20m)

Small and lightweight. 6" X 6 1/4" X 2 1/2" (DxWxH)

Low power drain. About 60ma receive and 700-800ma transmit, depending on power output setting.

External adjustment of power level VERY convenient. All rigs should have

this!

Standard 5.5mm OD 2.1mm ID coaxial power jack.

Good tuning range of 73 Khz.

Nice wiring harnesses provided with kit. Easy to connect up the controls.

Very stable. Didn't measure drift, but had cabinet lid off and it still didn't drift!

Beautiful keyed envelope. Proper rise/fall times with good shaping. No clicks.

Sine wave sidetone with separate level and frequency control independent of AF gain control.

Nice 6 ft. heavy DC cord supplied with coaxial connector pre-attached.

Strong transmitter. 5-10 watts output possible.

LO output jack. 23.0 - 23.073 on 20m.

VFO is 3340 - 3413 Khz. KC-2 will work fine. See 73 mag Mar '97.

Sensitivity seems good, but not as quite as sensitive as the main HF rig.

No BCI problems or images and birdies noted. Apparently has good RF bandpass filtering on rcvr and xmitter stages.

Dislikes: (not many)

1/4" jacks for headphones/speaker and key. I prefer 1/8" mini jacks.

No separate key / keyer jacks provision. (To be added with KC-2 mod!)

S0-239 antenna jack. I prefer BNC!

Dial calibration OK, but not really accurate. Varactors make this hard to do.

No provisions for keyer or audio filter option. A CMOS III or TiCK would fit easily.

No fuse. You provide your own.

Adjacent sideband rejection could be better. I may try to match some 9 Mhz crystals to see if this can be improved. The provided 9 Mhz crystals were not marked and did not appear to be matched, since 4 go in the IF filter, and the other 2 go into the BFO and transmit mixer. Didn't take the time to measure their freq. with an oscillator circuit and counter. It probably would have helped to match at least the 4 closest in freq. for the IF filter.

Circuit line-up:

Unit uses 4 NE602ANs, one for first mixer (no RF amp), one for BFO, one for LO mixer, and the last one for the transmit mixer. VFO and LO both use 2N5770s. MC1350P IF amp with AGC (good) provided by LM324 quad op amp (all 4 amps used!). CD4066 used to control RIT. MPF102 audio muting. 3 2N3904s used for muting and sidetone oscillator (sine wave). 2N2907A used for keying the pre-driver (2N5179) and driver (2N3866). 2SC2078 PA filtered with 5 elements.

The transmitter stages are really nicely designed, with good bandpass filtering and conservatively rated components throughout. I like this circuit! The audio output is handled by the 8 lead version of the LM380N, the LM380N-8. Plenty of audio for headphones, and drives a speaker fine on most signals. One 78L09 9 volt regulator for the input mixer and VFO / LO mixer stages.

I didn't see any reason to change or match any parts, since they all seemed to work very well "as is". I tried a MRF476 and NTE235 in the PA, and got a little more output, but not much. So I left the 2SC2078 in place. I doubt anyone would need more gain in the PA to bring up the output. A 2N3866 handles the driver work very well, and has a small press-on heat sink that keeps it from heating hardly at all. There was simply nothing that needed to be improved upon!

The manuals:

One is 12 stapled pages for assembly, alignment, and operation; the other is 10 pages for schematics, parts list, parts pictorials, charts, etc. Not bound, but stapled and easy to read. The schematics are clear and nicely done with separate pages for rcvr and xmtr. A parts overlay sheet is provided too. I would have liked a sequentially numbered parts list to make it easier to sort and install the parts. Didn't Chuck have one of these? I couldn't locate it before I started.

I prefer to place the components on the PCB starting with the smallest parts, and working up to the largest parts last; i.e, diodes, resistors, caps, IC sockets, toroids, transistors, and the taller components last. Hold off putting the drive adjustment pot and crystals till last so you don't damage them during handling. The PA heatsink was the last part I installed.

This month's 73 magazine has a story on the KC-2 counter, keyer, S-meter, & power meter. One is shown installed in an OHR100. I am pretty sure I will put one in mine. It will be really nice to incorporate all of those functions into such a small unit. A different solution would be a TiCK keyer chip and the digital display counter mentioned here on this list (Milestone Technology) or the OHR DD-1, S&S counters, etc.

So it is working very well. Had about 4 QSOs this PM with it, and got good reports from all. The cabinet is sturdy, simple, and well painted and silk-screened. I am already thinking about another one for a different band.

I would (will) definitely buy another one, or more OHR products. So far, with the WM-1 and this OHR100 I am VERY satisfied. Look for me on 20m. I move around the band, but listen first around 14.060 where I hang out. I

just put my old 20m sloping dipole back up this PM, so hope to work many of you with a better signal than the old low, sloping 300 ohm / MFJ-948 tuner-fed antenna produced. It seems to hear better, too.

It's a little more money than the Ten-Tec QRP rigs. But I think the quality and features are worth the extra 30 bucks. The IF selectivity is narrower, too.

I know the rest of you who build this kit will be very happy with it, too. Heck, I never had a HeathKit that was this easy to build! (Although some of the pictorials will remind you of Heath!)

I'm saving for a KC-2, see you on 20m!
72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30, OHR100 20m, AT-11 (QRO and QRP)
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
Az ScQRPions

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: k4wz@juno.com (RON L TODD)
Subject: [14722] PIXIE II
Message-ID: <19970315.171712.8175.11.k4wz@juno.com>

HSC SALES THE PIXIE II FOR 9.95
PHONE NR. 1-800 -442-5833

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: KFGlynn@aol.com
Subject: [14686] Please need photocopy of Winter/Dec 96 QRPP
Message-ID: <970314101510_-1706555871@emout20.mail.aol.com>

Hi gang,

Unfortunately I have not recd the Winter/Dec issue of QRPP. If anyone could please make and send photocopy I'd greatly appreciate it (hope does not infringe on copyright). I'll gratefully send along money to cover copying, time and postage.

Tnx

72 Kevin N2T0

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [14657] QRN Squasher
Message-ID: <19970313.222407.4439.6.n4so@juno.com>

qrn.txt
Subject: Re: QRN Squasher

QRN Squasher
Background info: June 1996 and December 1996 CQ Mag.
Also Feb. 1997 CQ Mag. "The S.E.M. Mark -II QRM Eliminator" p. 42

(ANC-4) also NIR-12
JPS Communications, Inc.
P. O. Box 97757
Raleigh, NC 27624
800-533-3819

S.E.M. products
Paul Crapper
8 Fort William St.
Douglas, Isle of Man phone 0624 - 662131
about \$153

Ken Brown, N4SO
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: zearwd@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [14699] QRPP and first class mail
Message-ID: <9703141741.AA05097@aud.alcatel.com>

I have only received two of the last four issues
of QRPP - no the Dec. has not arrived. I am
VERY happy to pay extra and have it send first
class mail... a first class mag/first class mail.

72/73 Dennis K3ETS Dallas

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Bill Myers <bjmyers@arc.net>
Subject: [14652] Rainbow Tuner Report!
Message-ID: <1.5.4.16.19970313215740.1b1f0018@mail.arc.net>

Thanks to all involved in this project.

I sat down last night and assembled one of my rainbow tuners (I ordered 2).

The assembly manual is very well done, and very easy to follow.

WARNING!!! Follow the advise on bending the leads of the glass diodes!!!

I have always used my fingernails to bend the leads of diodes and did so last night. One of them felt "funny" when I bent the lead and it "popped" when I soldered it to the board. Fortunately, I have a good supply on 1N34's. Unfortunately, I grabbed a 1N34A first and never could get the tuner aligned. Replaced it with a 1N34 and it works like a champ.

I took breaks when the manual told me to and still finished in in a couple of hours, even winding the toroid. Lost a little time when I had to warm up the 30 watt iron, the 15 watt iron would not melt the coating on the wire.

The only place I got slightly confused was looking at figure 3 for the "connections". After sleeping on it overnight, I think I have that figured out and will buy the switch and connectors at the hamfest this weekend, along with any other goodies I find.

Anyway, another project completed, and I love it.

BTW, used the tuner part with my ZM-1 and it works like a champ also. Tuned my 100' dipole fed with 450 ladderline on 80 meters and made a short contact with a friend of mine.

THANKS AGAIN TO ALL INVOLVED!!!!!!!

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>

homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Carol N. Wright" <cnw@hiwaay.net>
Subject: [14718] Schematics for Pixie II Transciever?
Message-ID: <Pine.OSF.3.94.970314143618.3285A-100000@fly.HiWAAAY.net>

Hey Mark and Gang,
I'm sorry I forgot your email address Mark, but I thought that I would just list it to the net anyways. I did get on the ftp site and download the pixie2.ps and the pixie2.txt, I also got it from an email message using listserv. I also checked out G-QRP clubs webpage that had the schematics on it.

I can't get the schematics. My 14.4 modem is down and I am having to use a 1200 baud modem with the terminal program in Windows. So I can't use Netscape and Netscape will not view the postscript or the .ps files. I don't have a viewer. I was wondering if someone would mail me a copy of the schematics, I'll pay for the trouble of copying and shipment. Or maybe just a .txt version of the schematics, I could build it from that.

Maybe if I could get the file as a .htm or a .bmp file or something I could view it with netscape or paintbrush in Windows. Thanks a lot for any help. Best 72 DE Matt, AE4JM

--
JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with KC1

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Hajo Dezelski <hjd@abt2-a.d6.verwaltung.uni-tuebingen.de>
Subject: [14675] Sierra, ARD and Transistors
Message-ID: <Pine.LNX.3.91.970314144119.558B-100000@abt2-a.d6.verwaltung.uni-tuebingen.de>

Hello,

alas, my QRPp arrived yesterday and it is really a piece of art.

Most important I found the power-output modifications for the Sierra. But before heating the soldering iron I wanted to check the circuit modifications by simulation with the ARRL Radio Designer.

Here are where my problems:

There is a database with high-end transistors, but I have not the specs for the general purpose transistors and diodes.

Has someone a database with the specific parameters, which are used in the ARRL Radio Designer simulation software?

I cant figure them out from my catalogs.

Thanks in advance
es 72 de Hajo DL1SDZ

QRP-L 722, NorCal 849, G-QRP 6087, QRP-ARCI 8005

```
-----  
| Hajo Dezelski           | Email: dezelski@uni-tuebingen.de |  
| Universitaet Tuebingen  | Tel. : 07071 - 29-76792          |  
| Presseamt              | Fax  : 07071 - 29-6454          |  
-----  
| News der Universitaet = http://www.uni-tuebingen.de/uni/qvo |  
-----
```

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Gary Davey <gdavey@pacbell.net>
Subject: [14645] So Cal March QST
Message-ID: <3328D65A.131B@pacbell.net>

According to the ARRL Web page, the March QST's for Southern California were put in the mail system and were sent inadvertantly by train to Houston, Tx where they have been for several weeks. They are now on a train steaming to the LA bulk mail center where they should arrive tomorrow, March 14.

I guess I'll get mine next week.

73's

Gary N6VZ

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Subject: [14684] STERBA CURTAIN EXPERIENCES?
Message-ID: <19970314150300.AAB17140@LOCALNAME>

Greetings, Wire Nuts everywhere. In eager anticipation of Prop. improvement, I'm building a 15m Sterba and would like to compare notes with anyone with experience, practical or theoretical with the design.

Mine is right out of the new ARRL ANT. HB'K and made with Home Depot #14 stranded THHN and home brew Lucite spacers. I'll be feeding it with 450 ohm window line initially, until I build a 9:1 balun. It will be hung at about 50' so the bottom will be $>1/2$ wave over avg. CT rock/soil. The feed end will be fixed and the far end swing-able thru ~ 90 deg.

I have some initial questions:

- 1.) Would feeding it at a top, rather than bottom corner make any difference in take-off angle?
- 2.) Would a 5% larger version $.2$ wave behind the driven one be an effective way to achieve more gain & F/B?
- 3.) Instead of duplicating the entire array as a "reflector", what would the effect of only one "cell" be? (I'm thinking of "steering" lobes by moving the cell horiz. and vert. behind the curtain.)

I'd really appreciate any thoughts on the subject. 72 =s=

"Seab" Lyon - AA1MY
Bethel, CT; FN-31-HJ
ARCI#9253; QRP-L #574
NEQRP#511; ARRL; QCWA

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: mark.milburn@arbbs.com (Mark Milburn)
Subject: [14705] ten tec reflector
Message-ID: <f007.1380.-1@arbbs.com>

Help! I'm changing my internet provider and have lost the address for the Ten Tec reflector. Can someone give me the e-mail address to subscribe my new address and delete my old one?

73, Bill W5PT

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [14670] torroid fever????? solution !!!!!
Message-ID: <33290D64.73E2@amsat.org>

Those of you who may fear the winding of torroids after an
experince with the NorCal Sierra or any other HB kit may
want to take a look at Surplus Sales of Nebraska's web
site. They have just the machine for you.

here is the url:

<http://www.surplussales.com/equipment.html>

at \$750 it may be a bit expensive, but hey, your sanity is worth
something, isn't it????? ; -)

HI, 72 de Phil K6LS

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Charles Olson <jacksonharbor@worldnet.att.net>
Subject: [14716] VE3DNL Marker Generator board size
Message-ID: <19970314201423.AAC13381@LOCALNAME>

Jim, W6JHB, asked about the size of the VE3DNL marker generator board. It is
1.5 by 1.5 inches.

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Charles Olson <jacksonharbor@worldnet.att.net>
Subject: [14688] VE3DNL Marker Generator Kit Available: \$6 postpaid
Message-ID: <19970314151058.AAA1385@LOCALNAME>

Last year, Chuck Adams suggested that someone or group take on the project of kitting the VE3DNL Marker Generator. Jackson Harbor Press is pleased to take this suggestion and is offering the VE3DNL marker generator as our second kit. The kits are available now for \$6.00 postpaid.

If you are unfamiliar with the design, consult the qrp-l archives for July 20, 1995. You can do this via email by sending the following to:
listserv@lehigh.edu

get qrp-l/archives/1995 950720

The kit uses a 5.12 Mhz crystal and a CMOS oscillator / divider IC to produce square waves at 40, 20, 10 and 5 Khz. A trimmer capacitor is included to allow calibration of the marker generator to a known standard like WWV or by using a frequency counter. The 4000 series CMOS IC can operate from a wide range of voltages (5 to 15 volts) - a 9V transistor radio battery is suitable.

The kit includes:

etched & drilled circuit board (similar to the FAR circuit board)
5.12 Mhz crystal
27 pf NPO ceramic disc capacitor
9-35 pf ceramic trimmer capacitor
1 meg ohm resistor
National CD4060BCN oscillator/divider IC
16 pin IC socket with decoupling capacitor
copy of Glen's (VE3DNL) email of 7/20/95

Ordering Instructions:

Please include your email address with your order.
Limit one kit per customer.
All kits will be sent via First Class Mail.

Send your check or money order for \$6.00 to:

Jackson Harbor Press
RR1, Box 91C
N21W1418 Foss Road
Washington Island, WI 54246-9718

Thanks to Glen, VE3DNL and Chuck, K5FO and the rest of you nice folks on the qrp-l list.

I hope you'll enjoy this kit.

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
jacksonharbor@worldnet.att.net

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: k5vp@earthlink.net (Kevin Potter)
Subject: [14707] Want digest
Message-ID: <v01550104af4ed6978d56@[206.149.202.8]>

After about 3 days of reading the help function, I still have not figured out how to go to digest method of qrp-l.

Any help appreciated.

Kevin

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Subject: [14635] Where's N2TNN FOX?
Message-ID: <970314020245_70511.3041_IHD83-1@CompuServe.COM>

Gang:

Has anyone worked Dean N2TNN tonight? The FOX sked shows that he is to operate from 0100-0300UTC (14th of course) = 7:00-9:00 p.m. CST.

I have been searching for him from 7037-7043...but nary a peep, plus no sign of a pileup.

Do I have the wrong date or time? If you *have* worked him tonight, please let me hear, and include the freq/time of your QSO. Many thanks in advance, and good luck yourself!

72/73,

--Doc/K0EVZ qrp-l 861 mn-qrp 19 nj-qrp 69 ak/qrp 139 cqc norcal arrl

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [14659] Worldradio article on the 38 Special
Message-ID: <8D3E54A.00040015C2.uuout@cheaha.com>

Wow. The Norcal 38 Special and the 38 Special crew sure had a nice write-up in Worldradio. Very good two page article by Richard Fisher, KI6SN...it really caught the spirit of the '38'. Good going, Richard!

Now how many more boards did you say ya'll had ordered, Jim? With this kind of publicity who knows what the limit will be! :)

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: timcook@erinet.com
Subject: [14723] WTB: Ten Tec model 217 cw filter
Message-ID: <3329D1AC.2BAC@erinet.com>

Looking for a model 217 500 hz cw filter . Please email direct if you have one. thanks

Tim

NZ8J

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [14643] X-Beam Experiences Wanted
Message-ID: <199703140313.TAA10430@sierra.psnw.com>

Hello Friends,

I've been reading about the X-Beam in the 1992 ARRL Handbook (33-16) and would appreciate hearing from anyone who has built and used one. In addition, I'd like to hear from anyone who has done any computer modeling on an X-Beam to confirm or dispute the claimed 5-6 dBd forward gain or the 15-18 dB F/B ratio?

=====

Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com

=====

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Freeberg, Scott (STP)" <qc01870@stp03.guidant.com>
Subject: [14701] ZN416
Message-ID: <199703141756.MAA68864@nss2.CC.Lehigh.EDU>

Hi John,

I found a bit of information on your ZN416 and ZN414.

The IC Master lists the ZN416 as a "receiver system" manufactured by GEC Plessey. The ZN414 is listed as a "rf,if,detector,agc", also manufactured by GEC Plessey.

While the alternate source directory in the IC Master has many GEC Plessey listings, there are not listed alternates for the ZN 416 or 414.

Here is their numbers:

Main Sales office in California: 408-438-2900.
Note sure what state you are in but:
Florida sales in Clearwater: 813-725-5262.

Maybe they know about alternates or can give you the name of the distributor.

73,

Scott WA9WFA St. Paul Mn

Norcal , ARCI #7299, ARRL Life Member
Looking for a Johnson Valiant Transmitter

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [14641] [Fwd: Re: First 38S to 38S qso]
Message-ID: <3328BEF4.53F8@concentric.net>

Message-ID: <3328BED3.2C4A@concentric.net>
From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Jim Bennett <jbennett@ebmud.com>
Subject: [14690] Re: 38 Special audio osc.
Message-ID: <332970FA.254E@ebmud.com>

Tony / AA0SM wrote:

> At this point, I noticed a low to moderate level tone in the
> audio. Seems to be right around 500Hz. Touching the components with my
> fingers, the tone gets strongest when I'm touching around the 602 at U3.

Tony - very interesting hearing about that low-level tone you are experiencing. I was a fairly early builder of the NC-38S (#197), and have had mine on the air for some time now. Until last weekend, I did not have that audio tone problem. Then all of a sudden I start hearing the dang thing. Not real loud, and not enough to keep me from making QSOs, but audible none the less. I don't recall having a difference in strength of it by touching different devices, but it may have. However, one VERY strange thing I did notice..... it disappeared when I disconnected the antenna and came back with it attached. :-(

The good news is that it went away after a couple days. It is completely gone now. I'd certainly be interested in hearing if anyone else has had this problem and if the symptoms are similar.

Jim Bennett / W6JHB (jbennett@ebmud.com)
Supervising Systems Programmer
East Bay Municipal Utility District
Oakland, CA 94607
voice: 510.287.0224 / fax: 510.287.0373

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Steve Miller <kg7pv@teleport.com>

Subject: [14728] Re: 38 Special audio osc.

Message-ID: <1.5.4.32.19970314233903.006713f8@mail.teleport.com>

>Jim W6JHB wrote:

>Tony - very interesting hearing about that low-level tone you are
>experiencing. I was a fairly early builder of the NC-38S (#197), and
>have had mine on the air for some time now. Until last weekend, I did
>not have that audio tone problem. Then all of a sudden I start hearing
>the dang thing. Not real loud, and not enough to keep me from making
>QSOs, but audible none the less. I don't recall having a difference in
>strength of it by touching different devices, but it may have. However,
>one VERY strange thing I did notice..... it disappeared when I
>disconnected the antenna and came back with it attached. :-(

>

>The good news is that it went away after a couple days. It is completely
>gone now. I'd certainly be interested in hearing if anyone else has
>had this problem and if the symptoms are similar.

>

I have the same question. Did not have (hear) this tone at first with the
rig but have been on / off for the last week or so. The tone is not audible
on my OHR or TenTec but is affected by the antenna tuner adjustments - worse
on an untuned ant - or eliminated by going to the dummy load or
disconnecting the ant as Jim notes. I did listen to it closely one night
and heard it come and go like normal signal qsb and actually heard it quit
just like someone switched the rig causing it off! Seems to be gone when
the band is gone also. Gotta think it is not the rig per se but glad that I
am not the only one hearing it. Ideas?? 73

Steve Miller KG7PV Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: "Yong K Cho" <yongcho@yongcho.seanet.com>

Subject: [14673] Re: 38S Help

Message-ID: <199703141227.EAA13828@mx.seanet.com>

> From: Yong K Cho <yongcho@yongcho.seanet.com>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Subject: 38S Help

> Date: Thursday, March 13, 1997 8:22 PM

>

> Hi Everyone,

> Thank you for reading this. If anyone had same problem, please give me a
> solution.
> I built this about 3 weeks ago(no mod) and I think I did everything I
can
> do.
> Symptom:
> No audio(no signal) - just sh----- sound and can not adjust with pot.
> Output - seems no output but has side tone.
> Voltage measurments - most voltages are same like NA5N table but U1. U1
> doesn't change voltage when transimt.
> Anyone have idea, please share with me.
> 72/73's Yong, N7ZEI
>
>
>
P.S. I forget one more thing. The U4(HC240) pin 11, 14, 16, 18 always 0
volt but shortly after transmit it shows about 3.5V than drop to 0.

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Carol N. Wright" <cnw@HiWAAAY.net>
Subject: [14696] Re: 38S, let the smoke out !
Message-ID: <Pine.OSF.3.94.970314103608.22561C-100000@fly.HiWAAAY.net>

Hey Paul and Gang,
I'm not sure if this is it, I'm still having trouble with my NC38S-not
wooped yet-, but you mentioned that you had your IRF510 heatsinked to the
case of the Ten Tec case you had it in. Now I'm pretty sure that most of
the cases Ten Tec offers is aluminum, or conductive. If the IRF510 is
grounded to the case, then in the manual it states that grounding the
IRF510 to the case is a no no. So maybe you can look at that and make
sure hat the IRF510 is not grounded to the case. Hpe this gives you
some ideas. Best 72 DE Matt, AE4JM

--
JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with
KC1

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>

Subject: [14679] Re: 40m condx
Message-ID: <199703141403.JAA38231@nss2.CC.Lehigh.EDU>

Hi Bob and Gang,

I looked for Dean and found the same thing. No one on the band. So I looked around and had 2 Q's. One to LA and one to FL. Both at 900mW with the SW40 and Butternut HF6V. The guy in FL asked me after each turnover if I was still QRP cause I was peaking at S-9. He was shocked. This hobby is a blast.

72, Mark N2VPK
Member of the Buffalo QRP Connection

> Went out to the shack to check for N2TNN as the fox, and could hardly find any
> signals. Certainly no sign of the fox or any hunters, and very few signals on
> the band at all.
>
> Anybody else notice it? Or is just me?
>
> 72, Bob N6WG
> Newark, CA on SF Bay

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: Lee.Stanford@alltel.com
Subject: [14671] Re: American Substitute for Euro IC
Message-ID: <00027FE7.003145@alltel.com>

John:
The ZN414 is also available from All Electronics (1-800-826-5432) as cat # ZN414Z at \$2.25. I have only seen the ZN416 advertised by D.C. Electronics as mentioned by another poster. The ZN416 is an 8 pin DIP version of the ZN414 with an audio amplifier added into the chip.
73, Lee KM6LA

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Subject: [14729] Re: Backpacking Antennas
Message-ID: <19970314234733.AAA2295@LOCALNAME>

Brad, I guess I have a warped view of back-pack radio, because I don't care what the antenna weighs, (within limits), -I just want it to work great.

For instance, I have no problem carrying a colinear or Half-Square made #18 Home Depot wire, good support twine, sling-shot and sinkers. Or, I'll go for kites at

300-400' supporting a 132' of #20 bare tinned vert. hanging from the line. My favorite thing is going for impressive results rather than bare-bone minimum. Of course I might feel different if I was going on a very long hike (week or so) and operating at the drop of a hat wherever I landed. Also, I don't like RG-174 dpwmleads at all; -rather use twinlead and a tiny tuner. The difference between 4 oz. and 20 oz. really is insignificant, -except in PERFORMANCE! 72 =s=

~~~~~

At 06:49 AM 3/15/97 +0000, you wrote:

>Any great ideas out there for backpacking

```
>antennas?
```

> For 80/40 meters, I think that an rg-174-U

>coax fed dipole would probably be fine, but are there any other

```
>nifty light weight ideas out there that we might be able to
```

>take advantage of?

>

"Seab" Lyon - AA1MY

Bethel, CT; FN-31-HJ

ARCI#9253; QRP-L #574

NEQRP#511; ARRL; QCWA

From owner-grp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: Steve Hideg <Steve.Hideg.1@nd.edu>

Subject: [14694] Re: Dayton

Message-ID: <v03020906af4f2af8b5ee@[129.74.35.16]>

```
>Whats a web site for Dayton hamfest info?
```

> - -

>73, Randy WJ4P

>QRP-L #296    ARCI #9152    1996 40-9er High Scorer

<<http://grp.cc.nd.edu/grp-1/>>

From owner-grp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: Dan Puckett <dpuckett@erinet.com>

Subject: [14662] Re: Dayton Busses

Message-ID: <33288ED9.A8@erinet.com>

James C. Owen, III wrote:

```
>
> >> Bus travel to Harrah Arena - Dayton Hamvention
> >>
> >> Busses will be available from the Dayton Mall,
> >> across the street from Days Inn South (QRP Hotel)
> >>
> >> Dont worry about transportation !!
> >> W1FMR
> >>
> >
> > Well almost. The Mall is actually down the street a mile or so. But
> > the bottom line is correct; don't worry about transport to Hara.
> >
> > 72,
> >
> > Dan WD8AAU
> >
>
> Well Dan I must agree about transportation to Hara BUT IMHO I think you have
> your Malls mixed-up. If I remember correctly the Dayton Mall is south of
> town, down near where I75 and I675 intersect. More like 10 miles to HARA. I
> think you are thinking about Salem Mall that is about a mile west of HARA.
> 72/73 Jim K4CGY qrp-1 #72
```

Hi Jim,

It just goes to show you what you thought you said and what everyone else thought you said ain't always the same thing. In replying to Jim F's post, I wanted to make sure the people staying at the Days Inn didn't get the idea they could get up and just stroll accross the street to a waiting bus. You are quite correct in placing the Dayton Mall south of town. It's about a mile or so from QRP central at the Days Inn.

No more confusion, I hope!

72,

Dan WD8AAU

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "W. D. Lindsey" <70511.3041@compuserve.com>  
Subject: [14724] Re: dead fox



Message-ID: <970314224454\_70511.3041\_IHD81-1@CompuServe.COM>

Dean:

Boy, will we all be \*hungry\* tonight? BTW, you are absolutely the first guy in ham history who ever made a mistake with UTC time. Just think, you are absolutely the \*first\*, ever. WOW!!! Perhaps this will be written up in QST. Or somewhere. :-)

Anyway, good luck, and thanks for serving as our FOX tonight. I am hoping band conditions are better than they have been for QSOs in your direction.

72/73,

--Doc/K0EVZ qrp-l 861 mn-qrp 19 nj-qrp 69 ak/qrp 139 cqz norcal arrl

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: N9DD@aol.com

Subject: [14706] Re: Dean - are you OK?

Message-ID: <970314131416\_-1639109438@emout06.mail.aol.com>

Hi Gang

I don't recall seeing any postings from Dean in the last week. It is the QRP-L custom for the Fox to send a notice or two with times, frequency, etc. as a reminder before their fox session.

Does anyone on the list know Dean personally? As amazing as it might seem, it is possible that Dean doesn't consider Fox Hunting and QRP the major items in his life. Perhaps he just forgot. Maybe family matters intervened. Maybe he is out of the country. Bring on the next Fox!

Tom N9DD

South Bend, IN

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: Vic Rosenthal <rakefet@rakefet.com>

Subject: [14712] Re: Dean - are you OK?

Message-ID: <3329A141.56B1@rakefet.com>

N9DD@aol.com wrote:

> As amazing as it might seem, it  
> is possible that Dean doesn't consider Fox Hunting and QRP the major items in

> his life.

My XYL has the same problem.

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [14714] Re: Dean - are you OK?  
Message-ID: <19970314.133901.13127.1.tahrens1@juno.com>

>> As amazing as it might seem, it  
>> is possible that Dean doesn't consider Fox Hunting and QRP the major  
>items in  
>> his life.  
>  
>My XYL has the same problem.  
>  
>Vic K2VCO  
>  
>

Ya know, I didn't think I had that problem, but when I  
told her that next week was the last Fox for the season,  
I swear I heard her mumble something like ..it's about time  
or something like that! hehe

Tim W5FN

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "Steve, N2MNN" <n2mnn@openix.com>  
Subject: [14725] RE:FCC Licensing of PCs  
Message-ID: <199703142312.SAA12283@pantera.openix.com>

The article was in the April issue of World Radio. Elsewhere in the issue  
was a dare for readers to find all the April Fools articles.

Steve, N2MNN  
n2mnn@openix.com

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997



Sounds like the modem tax - another urban legend.

Dana K6JQ  
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Alan Kaul <kaul@netcom.com>  
Subject: [14644] Re: FCC to license computers  
Message-ID: <Pine.3.89.9703131950.A3051-0100000@netcom18>

On Thu, 13 Mar 1997, Joel Malman wrote:

> Not really QRP, but I'm sure that anyone who does QRP packet will care, and  
> maybe even all the USA readers of this QRP-L mailing list, will care...  
>  
> [ everyone, belly-up to your keyboard ]  
>  
> Just read a story today that says the FCC, starting 1 April 1998 (about 1  
> year from now) will start to require a license (read: FEE) be paid YEARLY for

snip

The key in this story is the date -- you don't think anyone would be  
pulling your leg, do you?

73/72 de alan, w6rc1

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [14648] Re: FCC to license computers  
Message-ID: <3328C9A4.16FF@dancris.com>

Joel, I'd be interested in knowing where you read that article. Some  
sources are more believable than others.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: [14656] Re: FCC to license computers  
Message-ID: <19970314042855.AAA11969@LOCALNAME>

At 12:24 AM 3/14/97 +0000, you wrote:

>Not really QRP, but I'm sure that anyone who does QRP packet will care, and  
>maybe even all the USA readers of this QRP-L mailing list, will care...

>

>[ everyone, belly-up to your keyboard ]

>

>Just read a story today that says the FCC, starting 1 April 1998 (about 1  
>year from now) will start to require a license (read: FEE) be paid YEARLY for  
>a computer to be used in conjunction with Amateur Radio. The fee is said to  
>be \$1.00 per MEGABYTE of disk storage space. (Gee, even a floppy has more than  
>a megabyte of space).

>

>So, if the PC or whatever, you use for logging, contests, maybe even reading  
>QRP-L, happens to have a GIGABYTE of disk (pretty common these days) get  
>your checkbook ready for a big hit.

>

>If you know more about this, please fill us in !! Hey, I just read it in print.  
>Anyone with the facts ??

>

>/joel wa1qvm (concord, ma)

>

>This sounds like another one of the "B.S." stories that pops up from time  
to time on the Internet. The Internet can be a great place, but it is a  
place where you have to take a lot of things with a small grain of salt!  
I'd query someone that is truly "in the know" before I believed that gem!

Ask yourself:

How is the FCC going to find THAT information out?

Will there be a "Memory" registration form you must fill out under  
penalty of law?

Maybe FCC is gonna give the BATF 'strike force' something to do?

I'd say it is pure, unadulterated, bovine fecal matter!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: n0acs@juno.com (John R. Morris)  
Subject: [14663] Re: FCC to license computers  
Message-ID: <19970313.232011.5479.1.N0ACS@juno.com>

OH MY! Here come the computer cops!  
This sounds about like the usual mentality of our government officials.  
Let's see now if I don't let them in the house....are they going to be  
able to tell if I'm running a logging program .....or play my games?  
Boy my government is gonna make a liar out of me yet  
Eureka! That's it. Let's get the ARRL to petition the FCC to require all  
computer user's to pass a 30 WPM code test and pay a license fee.  
On Thu, 13 Mar 97 19:24:44 EST Joel Malman <malman@BBN.COM> writes:  
>Not really QRP, but I'm sure that anyone who does QRP packet will  
>care, and  
>maybe even all the USA readers of this QRP-L mailing list, will  
>care...  
>  
>[ everyone, belly-up to your keyboard ]  
>  
>Just read a story today that says the FCC, starting 1 April 1998  
>(about 1  
>year from now) will start to require a license (read: FEE) be paid  
>YEARLY for  
>a computer to be used in conjunction with Amateur Radio. The fee is  
>said to  
>be \$1.00 per MEGABYTE of disk storage space. (Gee, even a floppy has  
>more than  
>a megabyte of space).  
>  
>So, if the PC or whatever, you use for logging, contests, maybe even  
>reading  
>QRP-L, happens to have a GIGABYTE of disk (pretty common these days)  
>get  
>your checkbook ready for a big hit.  
>  
>If you know more about this, please fill us in !! Hey, I just read it  
>in print.  
>Anyone with the facts ??  
>  
>/joel wa1qvm (concord, ma)  
>  
>

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Kory Hamzeh <kory@avatar.com>  
Subject: [14664] Re: FCC to license computers  
Message-ID: <Pine.BSI.3.91.970313213322.7502C-100000@avatar.avatar.com>

Look at the date of when this program is suppose to start.....

On Fri, 14 Mar 1997, Sandy W5TVW wrote:

> At 12:24 AM 3/14/97 +0000, you wrote:  
> >Not really QRP, but I'm sure that anyone who does QRP packet will care, and  
> >maybe even all the USA readers of this QRP-L mailing list, will care...  
> >  
> >[ everyone, belly-up to your keyboard ]  
> >  
> >Just read a story today that says the FCC, starting 1 April 1998 (about 1  
> >year from now) will start to require a license (read: FEE) be paid YEARLY for  
> >a computer to be used in conjunction with Amateur Radio. The fee is said to  
> >be \$1.00 per MEGABYTE of disk storage space. (Gee, even a floppy has more than  
> >a megabyte of space).  
> >  
> >So, if the PC or whatever, you use for logging, contests, maybe even reading  
> >QRP-L, happens to have a GIGABYTE of disk (pretty common these days) get  
> >your checkbook ready for a big hit.  
> >  
> >If you know more about this, please fill us in !! Hey, I just read it in print.  
> >Anyone with the facts ??  
> >  
> >/joel wa1qvm (concord, ma)  
> >  
> >This sounds like another one of the "B.S." stories that pops up from time  
> >to time on the Internet. The Internet can be a great place, but it is a  
> >place where you have to take a lot of things with a small grain of salt!  
> >I'd query someone that is truly "in the know" before I believed that gem!  
> > Ask yourself:  
> > How is the FCC going to find THAT information out?  
> > Will there be a "Memory" registration form you must fill out under  
> > penalty of law?  
> > Maybe FCC is gonna give the BATF 'strike force' something to do?  
> >  
> > I'd say it is pure, unadulterated, bovine fecal matter!  
> >  
> 73,  
> E. V. Sandy Blaize, W5TVW  
> "Boat Anchors collected, restored, repaired, traded and used!"  
> 417 Ridgewood Drive,

> Metairie, LA., 70001  
> ebjr@worldnet.att.net  
> \*\*Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes\*\*  
> \*\*Butternut HF2V antenna, G-R test gear.....\*\*\*  
>  
>  
>

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "Phillip S. Rutledge" <rut@mcrut.mv.com>  
Subject: [14677] Re: FCC to license computers  
Message-ID: <199703141353.IAA19998@bort.mv.net>

At 04:28 AM 3/14/97 +0000, you wrote:

>At 12:24 AM 3/14/97 +0000, you wrote:

>>Not really QRP, but I'm sure that anyone who does QRP packet will care, and  
>>maybe even all the USA readers of this QRP-L mailing list, will care...

>>

>>[ everyone, belly-up to your keyboard ]

>>

>>Just read a story today that says the FCC, starting 1 April 1998 (about 1  
>>year from now) will start to require a license (read: FEE) be paid YEARLY for  
>>a computer to be used in conjunction with Amateur Radio. The fee is said to  
>>be \$1.00 per MEGABYTE of disk storage space. (Gee, even a floppy has more than  
>>a megabyte of space).

>>

>>So, if the PC or whatever, you use for logging, contests, maybe even reading  
>>QRP-L, happens to have a GIGABYTE of disk (pretty common these days) get  
>>your checkbook ready for a big hit.

>>

>>If you know more about this, please fill us in !! Hey, I just read it in  
print.

>>Anyone with the facts ??

>>

>>/joel wa1qvm (concord, ma)

>>

>>This sounds like another one of the "B.S." stories that pops up from time  
>to time on the Internet. The Internet can be a great place, but it is a  
>place where you have to take a lot of things with a small grain of salt!  
>I'd query someone that is truly "in the know" before I believed that gem!

> Ask yourself:

> How is the FCC going to find THAT information out?

> Will there be a "Memory" registration form you must fill out under  
>penalty of law?

> Maybe FCC is gonna give the BATF 'strike force' something to do?

>



> I'd say it is pure, unadulterated, bovine fecal matter!

Ah yes, and don't forget the ever popular "Good Times" virus! hi

===PSR===

=====

Phil Rutledge--K1HS-- rut@mcrut.mv.com

ARCI#9265=Norcal#1797=N.E. QRP Club#489= QRP-L#820= CQC# 385

=====

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: Leon Heller <leon@lfheller.demon.co.uk>

Subject: [14727] Re: FCC to license computers

Message-ID: <OMFnFAA6dZKzEwVI@lfheller.demon.co.uk>

In message <Roam.SIMC.2.0.4.858301907.24389.myers@bigboy>, "Dana H. Myers" <myers@bigboy.West.Sun.COM> writes

>> Not really QRP, but I'm sure that anyone who does QRP packet will care, and  
>> maybe even all the USA readers of this QRP-L mailing list, will care...

>>

>> [ everyone, belly-up to your keyboard ]

>>

>> Just read a story today that says the FCC, starting 1 April 1998 (about 1  
>> year from now) will start to require a license (read: FEE) be paid YEARLY for  
>> a computer to be used in conjunction with Amateur Radio. The fee is said to  
>> be \$1.00 per MEGABYTE of disk storage space. (Gee, even a floppy has more  
>> than a megabyte of space).

>

>Where exactly did you read this story?

>

>

>Sounds like the modem tax - another urban legend.

Have a look at the date when this tax will start. 8-) Lots of publications have silly articles in their April issue.

Leon

--

Leon Heller, G1HSM

leon@lfheller.demon.co.uk

Tel: +44 (0) 118 947 1424 (home)  
+44 (0) 1344 385556 (work)

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Jess Gypin <jessqrp@concentric.net>  
Subject: Re: First 38S to 38S qso

Steve Miller wrote:

>  
> Jess N0TFI answered my qso tonight for my first 38S to 38S qso. Portland,  
> OR to Boulder, CO with 5W on both ends. What fun stuff.  
> (PS - Jess, I need your e-mail address too) 73 and back to the rig.  
>  
> Steve Miller KG7PV Portland, OR  
> (CN-85) Norcal #308 QRP-L #109 ARCI # 9230

A real pleasure Steve! I was suprised at your signal to start with.  
There was some fade in and out but hung right in there. I guess I take  
it from the information that you gave me that you have made the diode  
mod and have had good luck with it. I would appreciate you sending that  
along and letting me know how you put the diodes in.  
Now all I need to do is find a 6.9uh coil and a 4.9k resistor in the  
junk bin and I will be all set! Next thing is a box and I would like to  
find something a bit different.

KG7PV GE es ur 559 559 nr Boulder CO de N0TFI

Best

Jess N0TFI

p.s. You peaked 579 near the end and took a big fade

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [14636] Re: FOX TONIGHT?  
Message-ID: <199703140209.TAA06752@usr10.primenet.com>

Steve (VE7SL) wrote:

> Dean...where are you??? N2TNN..????...anybody hearing him???

Not a peep heard the first hour here in AZ on my  
Fox Raider 2001. Lots of sigs from all over the

east coast though. Maybe I can't find him in the crowd? :-( It's now 0206 UTC. Think I'll go have dinner with the family...

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: kd7s@psnw.com (Bill Jones)  
Subject: [14665] Re: HB: Pixie II Tales of Whoa (long story)  
Message-ID: <199703140549.VAA23488@sierra.psnw.com>

Mark,

It is stories like this that make me proud. I was with you every step of the way as you scrounged, soldered, unsoldered, etc. Why? Because I've done the same thing, many times, in my forty-two years of ham radio. Building your own gear from scratch (and scraps) is the essence of what ham radio really is. Pity the poor soul who has never experienced the thrill of talking to someone half way around the world using something he (or she) built himself. Congratulations and keep the soldering iron hot.

=====

Bill Jones - KD7S <><  
Sanger, California  
Reply to kd7s@psnw.com

=====

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "Carol N. Wright" <cnw@HiWAAAY.net>  
Subject: [14704] Re: HB: Pixie II Tales of Whoa (long story)  
Message-ID: <Pine.OSF.3.94.970314120213.26957A-100000@fly.HiWAAAY.net>

Hey Mark and Gang,

I was wondering where I could get the schematics for the Pixie II xcvr?  
I sent an email to Halted or HSC to get a catalog, waiting for it.  
Thanks. Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS  
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA  
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771  
Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with

KC1

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: NilsBull@aol.com  
Subject: [14621] Re: Howdy  
Message-ID: <970313195005\_414743394@emout15.mail.aol.com>

In a message dated 97-03-11 21:57:49 EST, ddillman@igc.apc.org (Dick Dillman) writes: ". . . 1958 Willys 4X4 wagon pulling my 1947 teardrop trailer!"

You have a 1947 teardrop trailer? Hell's fire, Dick, I was a 1946 teardrop trailer. That was in my previous life, the one before this one. Before that I was a persian cat in the court of Ahem Tee-top Bojangles XXXII. We had a lot of parties then. It was much more fun than when I was a teardrop trailer. Except for the places I got to see. As a cat all I ever saw was the harem girls, a couple hundred executions and a pigeon race. They never even had a chance. Once the sultan released the falcons, no one would get in a Ford.

So why not keep the tubes and stuff? There's plenty of radios around what can run QRP into bedsprings or even the frame of a Willy's on one leg of the dipole and the trailer on the other.

Piece of cake, ain't it, guys? Guys? Uh. . . . guys? C'mon . . . where'd you all go?  
Guys?

Ok, that's it. I'm callin' the Pope.

73

Nils

WB8IJN +c

. . . hope Dick gets to Dayton so he can see just the kinda folks he's fallen in with. . . . or persian cats, for that matter. . . . Guys? . . . .  
Yoooo-hoo! Anybody out there? . . . Nurse! My hallucinations are gone! Gimme back my damn hallucinations!

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: [14646] Re: Howdy  
Message-ID: <80052.ddillman@igc.apc.org>

On Thu, 13 Mar 1997 19:50:20 -0500 (EST),  
NilsBull@aol.com <NilsBull@aol.com> wrote:

>In a message dated 97-03-11 21:57:49 EST, ddillman@igc.apc.org (Dick Dillman)  
>writes: ". . . 1958 Willys 4X4 wagon pulling my 1947 teardrop trailer!"  
>

>You have a 1947 teardrop trailer? Hell's fire, Dick, I was a 1946 teardrop  
>trailer. That was in my previous life, the one before this one. Before that I  
>was a persian cat in the court of Ahem Tee-top Bojangles XXXII.

Yeah, I remember you guys. You were down the block from the Hog  
Ridin' Fool's MC clubhouse an' we used to have to send some patch  
holders down there to get you to quiet down 'cause with all yer noise  
we couldn't hear the music of our straight pipes! When yer dealin'  
with V-Twins it's QRO all the way.

Warm Personal Regards,

Dick "Born To Be Mild" Dillman

Dick Dillman  
WPE2VT W6AWO  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Ken Lopez <kjlopez@earthlink.net>  
Subject: [14666] Re: Howdy  
Message-ID: <3328E6D8.660B@earthlink.net>

Hey Dick,

I inherited my grandfather's 1954 Willys 4X4 Pickup, the Green Hornet,  
as it has been known since he bought it in '55. Still in the family,  
completely stock in great physical and running condition. I'm about to  
get her repainted again soon. This truck has had a lot of mountain  
action, and lots of trips as a kid with my Grandfather trout fishing and  
hunting. Horsepower wise, it is the qrp of 4X4s compared to today's  
rigs.

We need to take care of some rust in an unusual place; the bottom inside  
of the doors. He was an unbelievable fisherman, and somewhat of an  
outlaw to boot. The extra five or six limits were always stashed in

the door panels, hence the rust! What memories... These trucks are keepers for sure.

Cheers,  
Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Scott Bauer <ke3nv@erols.com>  
Subject: [14669] Re: Howdy  
Message-ID: <199703140756.CAA09569@smtp2.erols.com>

Dick,

The first thing I ever drove and wrecked was a 1943 military issue jeep type Willys. It was the toughest thing I have ever driven. Too bad I tore the roof off driving under a guy wire from a very big antenna at a test site near Devils Den, CA. My first elmer (K6OIK) did something out there before he passed away. If he were still alive, he would still be mad at me for wrecking the Willys :-)

By the way, rode to Sturgis in 93 from Baltimore, The old Superglide really had a good time, so did I. Met a bunch of dudes called the Banditos. One of em helped me patch a tire near the Montana border. I look forward to the next trip.

Scott

At 06:41 PM 3/11/97 PST, you wrote:

>

>Ahem... Hi, guys!

>

>I've been standing over there in the corner listening to the  
>conversation here for the last week or so and figured I better say  
>howdy.

>

>I don't know what happened but I got the QRP bug a couple of months  
>ago and finally found your list. It's odd, really, as I'm not active  
>on the air and my interest up to now has been in big old tube-type  
>receivers.

>

>Anyway, I figure a QRP station will be just the thing to add that  
>final touch when I go camping with my 1958 Willys 4X4 wagon pulling my  
>1947 teardrop trailer!

>

>For some reason I am lusting for a HW-9 at the moment, even though I

>have never seen one in the flesh. I realize this might require some  
>modification of the weight specification in my signature line.  
>  
>I'd appreciate any words of wisdom about this radio as well as  
>guidance about antennas. Right now I'm thinkin' wrist rocket and  
>fishing line and a light weight dipole.  
>  
>By the way, I think I actually heard a couple of you last night -  
>KB0ROL and K8CV on 7.112Mc. That's really saying something as I'm in  
>a high noise city location with maybe 30ft. of wire 20ft. off the  
>ground.  
>  
>Regards,  
>  
>Dick  
>  
>                    Dick Dillman  
>                    WPE2VT W6AWO  
>                    <ddillman@igc.apc.org>  
>                    Collector of Heavy Metal:  
>                    Harleys, Willys and Radios Over 100lbs.  
>  
>  
>  
>  
72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV  
Fists 1502                    QRP Nut SWL Truck Pilot                    ARRL  
Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40  
S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.  
38 special at 300mw

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>  
Subject: [14703] Re: Howdy  
Message-ID: <Pine.A41.3.95b.970314093005.131306B-100000@homer01.u.washington.edu>

My first 4x4 was a '59 Willys station wagon with 8,000 Lb PTO winch mounted on a thick plate steel bumper. It had no less than 4 shift levers and was my favorite go-anywhere vehicle. I named it Haley's Comet after the bus in the Gordo comics. With the flat head six cylinder engine, all the electricals were up on top of the engine. I recall a few deep water crossings where I did remove the fan blade to prevent water being thrown up onto the electricals. It always amazed folks where I could take that thing. Sold it to buy a new Intnl Scout when the XYL demanded

more creature comforts. I still have a Scout to this day.

Really enjoyed going on adventures up to the top of 8,000 foot high Mt. Tritle in Arizona. At the top was an abandoned antenna site with its own tiny ham shack. A fine place to do QRPTTF for you Zonies. Mt. Tritle is about 15 miles due south of Prescott, AZ. You can get there via the old Senator Highway which was only paved up to the YMCA SKY-Y camp. Mt. Tritle was named after one of Arizona's territorial governors. Probably got condos there now, hi hi ;)

Stephen Lee, AB7HI, Tacoma, WA  
slee@u.washington.edu

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Steve/n0tu <N0TU@webaccess.net>  
Subject: [14658] Re: I love CW because...  
Message-ID: <3328D516.283D@webaccess.net>

HOWARD A FRIEDMAN wrote:

>  
> Hi Gang, I am seeking the help of CW lovers on QRP-L. I have written a CW  
> learning guide for my club and would like to include some feelings on the  
> part of some of you folks on the subject of:  
>  
> "Why I like to operate CW", or

I Love CW Because...it clears the cobwebs out of my head... and once I warm up to the rhythm I feel like I'm soloing on a musical instrument in the band...after which I feel really feel upbeat! 8^)

-----  
"Just doing it" - Havin'a blast buildin'& usin' QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [14678] Re: Mizuho radios  
Message-ID: <199703141354.IAA63980@nss2.CC.Lehigh.EDU>

Hi Dave and Gang,

I have checked into this with inquiries to some JA hams and here is what I found:



- \* the Mizuho rigs are only sold in Japan.
- \* there are no plans to sell them over here.
- \* the instructions are in Japanese.
- \* if you want to contact Mizuho directly they are at Fax; 0427-26-6793 Mr.Takada, President.

If you want to see the rigs go to JA9MAT's web page  
<http://www.nsknet.or.jp/~ja9mat/Index.htm> (or access from Norcal's page)  
and take a look. They are neat! Also, note that the JA's are going crazy  
building the US made kits! And the quality of their construction is  
absolutely SUPERB, watch out KD7S :-). I think every JA QRP'er has built an  
SW40 and a GM20. Very neat.

72, Mark N2VPK  
Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: dgf@netcom.com (David Feldman)  
Subject: [14691] Re: Mizuho radios  
Message-ID: <199703141546.HAA04852@netcom4.netcom.com>

QRPDave@aol.com writes,

>Hi guys! I have heard of a line of radios, among them a hand-held 20M rig,  
>made by Mizuho. I am assuming of course that they come from Japan and no one  
>seems able to tell me if they are sold in the U.S. Are they only available  
>in Japan? Does anyone have a current catalogue? My wife is going to Japan  
>in June and may want to bring Dad a gift from across the ocean. Any help  
>would be greatly appreciated! QRPDave@ocsnet.net or QRPDave@AOL.COM

Here is a quick run-down. As another follow-up mentioned, these are JA  
specific radios and are not distributed in the US. By the time you pay for  
shipment & the exchange rate & such, it's a very expensive proposition, and  
there are some tiny kits made here in US that are every bit as interesting.

Each of the HTs cover two user-selected frequency ranges based on plug-in  
crystals. The radios cost about JPY 32000 each; the crystals (in HC/25U  
package) cost about JPY 1800 each. Collapsible whip antennas cost about  
JPY 4900 each.

You can plug at most TWO crystals into the radio at the same time, selected by a "A/B" switch on the top of the radio. Operation is SSB (whichever sideband is traditional, but no opposite sideband) or CW. Many of them come with a noise blanker. CW is a bit awkward - you push the PTT button and key the rig with a separate key switch (internal button or external keyer); no semi- or full- break-in.

Power is from 7 AA cells (for the 1 watt radios) or a 9V transistor type battery or six AAA cells (for the 1/4 watt radios). Altho NiCads can be used, there is only a very rudimentary charger circuit in the radio so it is strongly recommended that the cells be removed for recharging.

The following radios are 1/4 watt nominal output:

MX-15 (15 meters), MX-10 (10 meters), MX-6Z (2 meters), MX-2 (2 meters)

The following radios are 1 watt nominal output:

MX-3.5S (80 meters), MX-7S (40 meters), MX-14S (20 meters), MX-18S (17 meters), MX-21S (15 meters), MX-28S (10 meters), MX-6S (6 meters).

In addition, I've read about a MX-24S (12 meters) in 1991 but never actually seen one, so I suspect it was a very short production run. No 1-watt 2 meter radio was ever seen.

The 3.5 and 7 MHz radios cover 25 kHz per crystal range; the others cover 50 kHz per crystal range.

The 3.5 and 7 MHz radios are optimized for the bottom 100 kHz of their respective bands, but the 7 MHz radio will work at slightly reduced output and sensitivity all the way to 7.3 MHz. Unfortunately, standard crystals are only available for the bottom 100 kHz of the band.

Whip antennas are available (each about 4' extended) for the following:

AN-3.5, AN-7, AN-14, AN-18, AN-21, AN-28, AN-50, where the digits are the frequency in MHZ. The resonator is integrally attached to the whip so you can't readily interchange/replace the whips.

Crystals are kind of a problem - the crystal directly generates the primary tuning range (single conversion radio) so the "pull-ability" of the crystal has to be correct to achieve the desired range and tracking with the frequency control dial. I've done alot of work a few years ago to develop some semi-standard part numbers with ICM, but even those don't track as consistently as the "real" crystals from Mizuho itself in Japan.

The 1/4 watt radios are not currently in production. The MX-18S is only produced intermittently, but the others are generally available in some of

the JA ham stores in Akihabara (Tokyo).

Operation with the accessory whip antenna is pretty limiting - the radios hear pretty well (even on the low bands) but you need a wire counterpoise to be marginally effective transmitting. You can obviously use any external antenna you want (the radio has a regular BNC jack) but by the time you've strung up a "real" antenna and all of the other encumbrances, why not go with one of the available kits? Also, the finite tuning range given by two plug-in VXO crystals is at best a bit inconvenient, although there is a small external VFO offered, at least in the catalog listings I've seen.

One other aside - Tokyo Hy Power makes a synthesized 40/15/6 meter hand-held (larger and heavier than the Mizuho, and about twice the price, but no crystals to hassle with), and a little company Nishi Musen makes SSB hand-helds for 144 and 430 MHz (1 watt each) and associated 2->1296 MHz transverter (0.1 watt). Neither product is available in US, but all are current production in Japan. The THP-750 radio is about JPY 68000 depending on the accessories you get; the Nishi Musens (NTS-200, NTS-700, NUC-1200) are in the JPY 30000-35000 range and require crystal changes to get into the US bandplan.

All of this is fairly recent information, based on a trip I made to JA in late January 1997.

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Bill Todd <bill@techline.com>  
Subject: [14668] Re: Mizuho radios & Japan as a market  
Message-ID: <1.5.4.32.19970314074031.00690680@mail.techline.com>

>Date: Thu, 13 Mar 1997 23:39:27 -0800  
>To: QRPDave@aol.com  
>From: Bill Todd <bill@techline.com>  
>Subject: Re: Mizuho radios & Japan as a market  
>

>At 02:12 AM 3/14/97 -0500, you wrote:

>>Hi guys! I have heard of a line of radios, among them a hand-held 20M rig,  
>>made by Mizuho. I am assuming of course that they come from Japan and no one  
>>seems able to tell me if they are sold in the U.S.

>

>Dave's post got me to thinking. The Japan amateur market seems to be pretty  
>hot, and I wonder if any of the QRP manufacturers (big or small) have had any  
>success breaking into the JA ham market? With the buying power of the  
Japanese

>Jen right now, it would seem that our American kits would be a real buy.

>  
>I would think that mail order would be the best method, as any retail store  
>operation would tend to involve much more in the way of tariffs, etc. Perhaps  
>the mail order business is heavily regulated too...I am not sure.  
>  
>So - Small Wonder, NN1G, Index Labs, Milestone Technologies, etc. let us know  
>what your experience has been in selling to Japan.  
>  
>CUL, Bill-N7MFB  
>

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Steve Bornstein <saborns@freenet.columbus.oh.us>  
Subject: [14660] Re: Noise bridge kits  
Message-ID: <Pine.3.07.9703132325.A15228-7100000@login>

G'day Kory,

Your correct. Ten Tec still makes the noise bridge kit in their T-kit line.

73, Steve K8IDN

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: NilsBull@aol.com  
Subject: [14624] Re: Notch uses  
Message-ID: <970313195032\_-1304994718@emout13.mail.aol.com>

In a message dated 97-03-12 17:53:08 EST, randyh@harksystems.com (Randy Hargenrader) writes: "I found that if you can carefully tune the notch to one side

or the other of a weak signal, you can sometimes improve the copy by eliminating some of the "white noise" that is near the audio frequency of the signal you are trying to copy. I may be the last one to discover this."

Nah. The first person to discover this was the same guy who discovered that. Right guys? Guys?

Seriously, though. I noticed that the notch filter doodad on my Argosy is just about the coolest thing since I figured out how to use that teensy-weensy narrower-n-a flea's toe-nail filter that's on the TR7. In fact, I've gotten to the point where the notch knob gets a twistin' just for fun

instead of the RIT. Amazing what a little background noise does (or doesn't do) to weak signal reception. But that's a duplicate topic. Been there. Seen that. Right guys?

Uh. . . . guys?

73

Nils

WB8IJN +c

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997

From: Dale Anderson <dalea@artemis.fc.hp.com>

Subject: [14618] Re: O'scope Operation information

Message-ID: <9703140038.AA14413@artemis.fc.hp.com>

>dunno if anybody else will get the same results, but I thought it  
>was awfully nice of them. I can't afford a Tek right now, but when  
>the time comes to purchase an O-scope, Tek will be right up there on  
>my list of "to obtain"'s.

I agree with Marty. I had bought an old Tek 'scope at a JEFCO hamfest, in the fall of '85. It came without probes, so I let the thing sit on the shelf 'til a couple of months ago when I decided I needed to use it. I accessed their WEB page and sent email to the "service" email address inquiring what they recommend for probes for this obsolete model (2215, 60MHz).

I wasn't sure what sort of response I would get, given I wasn't exactly a "paying customer", nor did I have a service contract. Within 15 minutes of kicking off the email I got a very friendly and informative response on which modern passive probes are compatible and what they recommend for certain applications. They also gave me a phone number, in case I wanted to order them direct from Tek.

I was so impressed by that service and the way I was treated in the email that I ordered the probes immediately from Tektronix. I'm sure I could've found compatible after-market probes elsewhere, and maybe even for less, but I would rather support a company who takes care of those who use their products, even years after the products have been obsoleted and who knows how many owners later. My complements to Tektronix.

Usual Disclaimer: I have no financial interest in Tektronix but  
wanted to share my positive experience.

72, Dale, KB0VCC  
Fort Collins, CO  
QRP-L #91 / CQC #251

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Bill Acito 14-Mar-1997 1000 <acito@asdg.ENET.dec.com>  
Subject: [14685] Re: One Peak Blues - 38S T1, update  
Message-ID: <9703141458.AA00828@us1rmc.bb.dec.com>

One of the three rigs was "cured" last night by spreading the 17  
turns more evenly around the core, yielding two peaks on the  
trimmer versus one.

fyi

b

. . . . . - I own my own words - . . . . .  
Bill Acito  
acito@asdg.enet.dec.com  
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA                qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14629] RE: Pioneer 10  
Message-ID: <970314012431Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

As I've said before, I don't like copying parts of messages, but there are exceptions to every rule :-)

Regarding the following information on Pioneer 10:-

He said it is 10-to-the-minus-21-power or ''a billionth of a trillionth of a watt.''

<snip>

One more thing.... the nuclear power source on board the spacecraft is expected to fail in approximately March of 1998 (or if it doesn't fail, the power levels will drop below the point at which radio transmission is possible). Until then, NASA AMES will continue to give commands to the little craft, and wait 18 hours and 30 minutes for the answering signal to come back. So it not only has a terrific transmitter -- it hears pretty well, too!

<snip>

Now remember this the next time they tell you that you "Must have" X kW to work across town on Y MHz or GHz.....

What I would give to use those antennas and receivers.... On second thoughts, think of the extra QRM I'd hear as well!

I definitely think we ought to commemorate this "QRP" transceiver in some way, plus the receiver systems and people who could still hear the reply!

Cheers de Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: JEVERHART@cayman.vf.mmc.com  
Subject: [14682] Re: Rainbow Tuner Report!  
Message-ID: <970314084837.2062fe01@cayman.vf.mmc.com>

Bill,

I'm ccing qrp-1 and the NJQRP group with this reply 'cause I think it is of general interest.

Sounds like you did a good job on the Rainbow. And yes, you found out about the diodes! I have built literally hundreds of boards over the years with 1N34s and I guess I've found the right "touch" since I, too, bend them with my fingernails and haven't broken one in the last 5 years. Of course now that I've said that, the next time I try, I'll break one ....

You wrote:

>The only place I got slightly confused was looking at figure 3 for the  
>"connections". After sleeping on it overnight, I think I have that figured  
>out and will buy the switch and connectors at the hamfest this weekend,  
>along with any other goodies I find.

>Anyway, another project completed, and I love it.

>BTW, used the tuner part with my ZM-1 and it works like a champ also. Tuned  
>my 100' dipole fed with 450 ladderline on 80 meters and made a short contact  
>with a friend of mine.

>THANKS AGAIN TO ALL INVOLVED!!!!!!

Perhaps I can help with the connections if you have specific questions. The main idea was to be able to connect the bridge in line iwth the tuner and to be able to switch it in circuit during tuneup and bypass it once tuneup was completed. In the diagram, there are "extra" connectors on the tuner output and the bridge output so that either can be connected externally if you want to use them with other "outside" equipment. This is a "suggested" hookup, you can change it if you want to.

BTW, be sure to note that on the pc board silk screening and the last figure in the manual, the GND and 50 OHM connections are reversed. The same reversal is shown with less detail in the connections figure. I sent out an errata notice on qrp-1 and the same items are posted on the NJQRP web page.

BTW-II I think you meant to say that was that you used the "bridge" part of it with your ZM-1. That is a good idea. The tuner section is not a general purpose tuner, but the bridge can be sued by itself with \*any\* HF qrp rig.

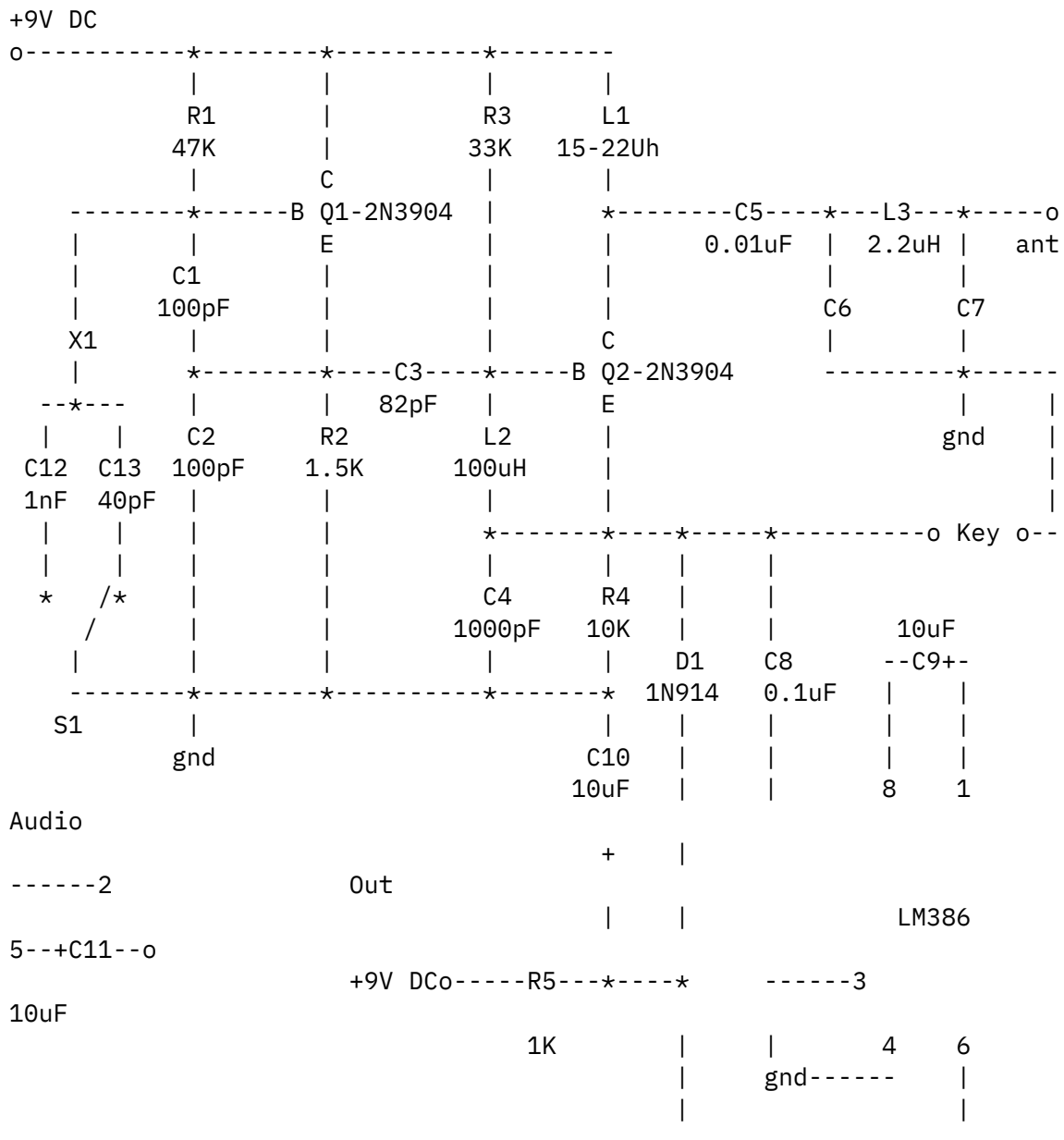
72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Mark Arvidson <arvidson@swbell.net>  
Subject: [14720] Re: Schematics for Pixie II Transciever?



Hopefully it didn't get screwed up in your viewr



I just text-sized the K5FO drawing from the QRP-L archives, and changed the little things I modified on mine.

All inductors are molded chokes. C9, C10 and C11 are electrolytic, so note the polarity. The circuit will NOT work if any are reversed (trust me, I know).

The original schematic called for a 0.05uF cap at C4, but I had to change to 1000pF to avoid an awful sawtooth waveform. I also changed the output filter: both caps are 1000pF, and the inductor is 1.5uH. I only did this because I didn't have any 820pF's.

Of course, there's only one ground, but I couldn't draw it like that.

Finally, the K5FO drawing doesn't have C12 & C13 below X1. Another writeup I saw suggested those tied to a switch to make it have a manual TR offset. I haven't tried this, but it should work, I think. I drew it in any case. You can omit S1, C12 & C13, and the rig works fine.

Mine's on a 1.5" square perfboard, but I have quite a bit of room free. It should fit on a 1" square if you have nimble fingers. Of course, using SMD, you could make it smaller still....

I haven't tested mine in any way, I've just build it and listened to it. It's been a GREAT learning experience for me, and I think I'll modify this or brew up another rig now. What fun!

As far as mods, I'm going to try a higher power PA, sidetone, RIT, VXO, different bands and anything else I can think of. I'm not ready to try to make my own mods for my 38S yet, but I'm getting close...

Good luck! Let me know how it goes...

Mark Arvidson  
KB0SPQ

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: NilsBull@aol.com  
Subject: [14623] Re: Source for tin plate boxes  
Message-ID: <970313195052\_1384448227@emout06.mail.aol.com>

Roger of Midwest Surplus has some small tin-plate boxes, but they may be the

wrong size or whatever. I am not familiar with the box you're looking for, but Roger may steer you to the right source.

The info: Midwest Surplus Electronics  
501 West Main Street  
Fairborn, OH  
937-879-2250 (voice fone)

The boxes that I know he has are shaped like the box on the old Drake PTO assembly. However -- and notice the HOWEVER -- these are not Drake boxes. There are two kinds. One has a lid with a large hole in it. The other had #4 threaded feet sticking out of it. Between the two, you'd probably end up with a box for a very small transciever -- which any moron would know is a lost cause from hell, right guys?

Guys?

Uh. . . . heh heh . . . .guys? Uh . . . . heh heh heh. . . . heh heh . . .  
.guys?

Nurse!

73  
Nils  
WB8IJN +c  
who has been to Arizona or something.

guys?

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: GREGOIRE@endor.com

Subject: [14693] RE: STERBA CURTAIN EXPERIENCES?

Message-ID: <Chameleon.970314111345.GREGOIRE@Gregoire.endor.com>

Hello Seab,

I made one for 17 meters and it worked well I can't tell you anything about take off angle, but I did work the Ivory Coast with it.

I cost about a hundred bucks to put together and got shredded in the wind.

Now I tune my 2 element Cushcraft beam on 17 and call it good enough.

A curtain for 15 should be more manageable. Let the ends float through the insulators, and provide strain relief for the solder joints, maybe by tying it to a support rope.

Hope yours lasts longer than mine did.

73

-----  
de AA1IK,  
Ernie Gregoire

Lead by example.

It is better to pull a string,  
than to push it.

R.R. 1, Box 221,  
South Rd.  
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202  
QRP-L # 95, Fly fisher & tier,  
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@W1WOK.FN43FE.NH.USA.NA

-----  
03/14/97 11:05:36

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14630] RE: Tape in the rain

Message-ID: <970314012430Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

Dear All,

I've just seen my message about using self amalgamating tape come  
around for a second time!

I didn't send it again - Honest!

Is that Belgian loop happening again?

Cheers de Dave (G0DJJA)

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [14697] Re: test question pool  
Message-ID: <Pine.LNX.3.93.970314113257.463C-100000@dns.vidtel.com>

On Fri, 14 Mar 1997, Kent Torell wrote:

> Scottsdale, AZ hamfest. I last downloaded the question pool in 94...can  
> someone point me to a current ftp site? The old questions will probably

If you have a browser look at;

<http://w5ac.tamu.edu/ham-exam-v2/ham-exam.html>

You can "take" the test and have it graded right away, great feedback.  
Got me all the way through Advanced, now if my code would just catch  
up...

Here hoping that after tomorrow it'll be N3XRV/A/QRP/M :)

72

|                                           |  |                                |
|-------------------------------------------|--|--------------------------------|
| -- Christopher Cartwright, Tech. Engineer |  | ...our chief weapons are fear, |
| -- Voice 301.990.0735 N3XRV QRP-L #655    |  | fear and surprise, and nice    |
| -- Mail ccart@vidtel.com                  |  | red uniforms, oh damn!!        |
| -- ccart@erols.com                        |  | -- Monty Python                |

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: jayboy@psnw.com (Jay & Jackie)  
Subject: [14676] Re: Too much E-mail to handle  
Message-ID: <199703141352.FAA07792@sierra.psnw.com>

At 05:37 AM 3/14/97 -0600, Dianne & Bill Vanoss wrote:  
>Hummmm...I didn't expect this.  
>I enjoy QRP but my mailbox is full. I though this was a newsgroup.  
>How can I stop all these good QRP messages (from someplace called  
>qrp-1@lehigh.edu)from filling my Netscape mailbox and get them over into  
>newsgroups.  
>  
>73, Bill W5PT

Bill:

    You can't...Once you've stepped in, you're in for life! You're only  
salvation is to give me all you're QRP gear! :-)

Jay, W6JDB

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: NilsBull@aol.com  
Subject: [14622] Re: Too much RF from NC40a.....  
Message-ID: <970313195040\_308764131@emout01.mail.aol.com>

In a message dated 97-03-12 23:21:31 EST, ed.welch@cheaha.com (ED WELCH)  
writes: ". . . .heck, really didn't remember going to Arizona!!!"

Gee. Now I don't feel so bad. I went to Arizona and I don't remember why.  
That was years ago. Back after I was a cat and between being a teardrop  
trailer and a cuban conga player with obvious trotskyite tendencies. But that  
was the hallucination last week. This week I can't seem to tune the  
hallucinatatronic regurgitator properly. Must be using one of those 74HCT240s  
that I got from Roger. No, not Roger the Rabbit. Roger what does the Pilipin  
Elvis meets Beavis & Butthead as Public Intellectuals bit. Yeah. Midwest  
Surplus.

Right guys?

73  
Nils  
WB8IJN +c  
. . . . .guys?

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [14631] Re: Too much RF from NC40a.....  
Message-ID: <8D3E48B.00040015BC.uuout@cheaha.com>

-> hallucinatatronic regurgitator properly. Must be using one of those  
-> 74HCT240s that I got from Roger. No, not Roger the Rabbit. Roger what  
-> does the Pilipin Elvis meets Beavis & Buttthead as Public  
-> Intellectuals bit. Yeah. Midwest Surplus.  
->  
-> Right guys?

Heck, Nils...I couldn't have said it better myself.....

ed

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>  
Subject: [14615] Re: Ultimate VS spc.....  
Message-ID: <7518.858294244@safety.ics.uci.edu>

I do not believe they are the same. I just reworked my Ultimate (UT-2000A) into an SPC. It took a tiny bit of rewiring as well as swapping the input for the output. I drew out the schematics in equal size on the same piece of paper to look at and think about.

The modification seems to result in lower bandwidth for the tuner, exactly what I wanted, some out of band suppression on both sides :-).

Clark  
WA3JPG

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [14708] Re: Want digest  
Message-ID: <v0302090baf4f47e583d9@[129.74.35.16]>

>After about 3 days of reading the help function, I still have not figured  
>out how to go to digest method of qrp-1.

>  
>Any help appreciated.  
>  
>Kevin

Try <<http://qrp.cc.nd.edu/qrp-1/clubinfo.html>>

Look in Subscription Commands in the Member Utilities Section.

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Steve Hideg, N8HSC/9 QRP-L #136  
Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [14674] Re: X-Beam Experiences Wanted  
Message-ID: <199703141342.IAA31729@nss2.CC.Lehigh.EDU>

Hi Bill and Gang,

I put up an X-Beam per the article you mentioned last October. Other than sagging about 5' on the ends this AM due to freezing rain, it has been structurally and electrically sound.

Performance-wise, I plan on doing F/B testing when the WX breaks. A ham-friend-ex military electronics designer-neighbor of mine works about 10 miles away. We will check signal strength vs. rotation soon.

I can only psuedo-compare the X-Beam to a G5RV (apex at 40' and ends at 20', oriented N-S) and a Butternut HF6V (ground mounted with 24 radials between 25 and 130'). If the X-beam is pointed right at the other station it is about 1/2 to 2 S-unit better than the next best antenna on most paths. BUT, I have not found a station that was due E or W that I could QSO with for a comparison. I have encountered stations that were stonger on the B-Nut or G5RV but could not get the Beam pointed at them in time to make comparisons.

So what is the bottom line? Well, I cannot give you a definitive review/comparison as these two comparison antennas have only been up for a week or two. I will try to do some more comprehensive testing and file a new report in a couple of weeks.



What is my guess for a bottom line? The B-Nut performs FB on 20M, and so does the G5RV. So I will likely cut the 20M X-Beam back to 15M cause the B-Nut is not good on that band and I would like to work 15 as much as it is open. I am having a hard time getting my last 20 countries for DXCC-all qrp of course! Gee, maybe an upgrade to Extra would help :-)

Surprise Result- The X-beam is very near the incoming power service to my house, hence is noisy on rainy/high humidity days. The apex of the G5RV is about 70ft from said service entrance. The vertical is 130' back and it is frequently the quietest antenna in my fleet with the best signal strength too!

Lastly, my XBeam is on a HB mast with a TV rotator at 35'. If you want some pix I could send them along. Let me know.

72, Mark N2VPK  
Member of the Buffalo QRP Connection

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> I've been reading about the X-Beam in the 1992 ARRL Handbook (33-16) and  
> would appreciate hearing from anyone who has built and used one. In  
> addition, I'd like to hear from anyone who has done any computer modeling  
on  
> an X-Beam to confirm or dispute the claimed 5-6 dBd forward gain or the  
> 15-18 dB F/B ratio?  
> =====  
> Bill Jones - KD7S <><

From owner-qrp-l@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: ukii@megsinet.net (ukii)  
Subject: [14681] Re: X-Beam Experiences Wanted  
Message-ID: <19970314141206441.AAB62@ns1.megsinet.net>

Hello Gang.  
Well,my input on this X-Beam Thread...  
A few years ago I read the ARRL Antenna Handbook and decided on an X-Beam for  
10 meters. I did major construction revamping by starting off with an old  
CB Ground plane  
antenna. I had one of those verticals with 4 radials on the bottom,well the  
vertical section  
can be removed,leaving only the mounting plate along with the radials. I  
used this and then followed  
the books construction method. I insulated 2 radials from that mounting

plate by slipping  
rubber hose over the ends (my radials were kinda clamped to the plate).  
Well, when it was done I had a free x-beam that looked nice, and was strong!  
It turned very easily with a RS rotor and worked nice.  
I used it for about 2 months and then put up a Butterfly Beam. To be  
honest, that  
x-beam worked better on 10!  
Anyway, just wanted to let you guys in on my use of an old cb vertical.  
Best 73 de john  
n9ukx

From owner-qrp-1@Lehigh.EDU Fri Mar 14 18:07:51 1997  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [14633] Re: [TowerTalk] Antenna Modeling Programs  
Message-ID: <Pine.SOL.3.94.970313203358.18181F-100000@utkux4.utcc.utk.edu>

> How about something that models the difference between stranded wire and  
> solid wire (for the same length of wire), or doesn't the scientific  
> community feel any such RF-radiation differences exist?  
>  
> Big Don  
Don,

To the best of my knowledge, at HF most sources hold the view that there  
is no significant difference between solid and stranded wires. Certain  
stranded wires are constructed in such a manner that a given nominal wire  
size may not be true to the diameter charts. However, unlike Litz  
wire--which is effective below about 0.5 MHz, stranded bare stranded wire  
at HF is considered by most to have the same properties as comparably  
sized solid wire. Wire contact and field intensity would place the  
maximum RF current on the exposed surface of the wire. I have found no  
source that accounts for any possible differential in exposed surface  
area.

If a difference did exist, NEC could not model it. Wires closer than  
0.001 wl are considered connected at junctions, and overlapping wires are  
generally considered illicit and produce erroneous results, unless  
error-trapped by a particular implementation. If there is any significant  
difference between stranded and solid wire, it would take a  
pre-calculation diameter adjustment to the solid size with the closest  
performance.

LB, W4RNL